

A ♦ S ♦ M ♦ E
YEAR BOOK
1919



THE AMERICAN SOCIETY OF
MECHANICAL ENGINEERS

STEEL PIPES

FOR STEAM BOILERS



NEW YORK
1913

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THE AMERICAN SOCIETY OF
MECHANICAL ENGINEERS

YEAR BOOK

CONTAINING LIST OF MEMBERS
ARRANGED ALPHABETICALLY

Corrected to January 1, 1919



15-0019
9 / 5 / 19

29 WEST 39TH STREET
NEW YORK

1919

Organized 1880

Incorporated 1881

Reincorporated 1908

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MECHANICAL ENGINEERS

YEAR BOOK

CONTAINING LIST OF MEMBERS
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Corrected to January 1, 1919



15-6019

9 10 11

19 WEST 20TH STREET
NEW YORK

1919

Incorporated 1908

Incorporated 1881

Organized 1880

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The American Society of Mechanical Engineers

29 WEST 39TH STREET, NEW YORK

TELEPHONE
VANDERBILT 4600

CABLE ADDRESS
DYNAMIC, NEW YORK

Calendar

Spring Meeting, DETROIT, MICH., June 16 to 20, 1919.

Annual Meeting, NEW YORK, December 2 to 5, 1919.

Local Section Meetings,

In the following places, at dates to be announced in THE JOURNAL (usually monthly throughout the winter months): Atlanta, Baltimore, Birmingham, Boston, Buffalo, Chicago, Cleveland, Cincinnati, Connecticut (Bridgeport, Hartford, Meriden, New Haven and Waterbury), Detroit, Erie, Indianapolis, Los Angeles, Milwaukee, Minnesota (Duluth, Minneapolis, St. Paul), New Orleans, New York, Ontario (Toronto, Can.), Philadelphia, St. Louis, San Francisco, Washington, and Worcester.

The Rooms of the Society on the eleventh floor of the Engineering Societies Building at the above address are open from nine to five, throughout the year, except Sundays and the following holidays: New Year's, Lincoln's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Election Day, Thanksgiving Day and Christmas.

The Library of the Engineering Societies, on the thirteenth floor of the Engineering Societies Building, includes the libraries of the American Society of Civil Engineers, the American Institute of Mining Engineers, The American Society of Mechanical Engineers, and the American Institute of Electrical Engineers. The Library is open on week days, from 9 a. m. to 10 p. m., except on Christmas Eve, and Christmas, New Year's Eve, and New Year's, Thanksgiving Day and Independence Day.

THE JOURNAL OF THE ROYAL ANTHROPOLOGICAL INSTITUTE

Volume 100, Part 1, 2000

Editor: P. H. RAVEN

Editor: P. H. RAVEN

Editorial Board: P. H. RAVEN

Editorial Board: P. H. RAVEN

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OFFICERS AND COUNCIL 1919

President

MORTIMER E. COOLEY

Vice-Presidents

Terms expire December 1919

JOHN HUNTER

F. R. LOW

SPENCER MILLER

Terms expire December 1920

HENRY B. SARGENT

JOHN A. STEVENS

MAX TOLTZ

Managers

ERRATUM

On page I X, the Vice-Presidents whose terms expire in December, 1919, are Messrs. Hunter, Miller and Toltz. The Managers whose terms expire in December, 1919, are Messrs. Fernald, Gregory, Weymouth; in December, 1920, Messrs. Bushnell, Geier, Yarnall.

Past-Presidents

Members of the Council for 1919

JOHN A. BRASHEAR

JAMES HARTNESS

IRA N. HOLLIS

D. S. JACOBUS

CHARLES T. MAIN

Chairmen of Standing Committees of Administration

Finance

W. E. SYMONS

Membership

S. D. COLLETT

Constitution and By-Laws

JESSE M. SMITH

Meetings and Program

DENTER S. KIMBALL

Publication and Papers

GEORGE A. ORROK

Local Sections

D. ROBERT YARNALL

Treasurer

WILLIAM H. WILEY

Secretary

CALVIN W. RICE

Executive Committee of the Council

MORTIMER E. COOLEY, *Chairman*

IRA N. HOLLIS

JOHN HUNTER

D. S. JACOBUS

CHARLES T. MAIN

HENRY B. SARGENT

STANDING COMMITTEES OF ADMINISTRATION

Finance

Supervises all financial affairs, makes all contracts, orders all expenditures, administers the general offices.

W. E. SYMONS, (3). *Chairman and Representative on Council*

ALFRED E. FORSTALL (1)

F. E. LAW (4)

GEORGE M. FORREST (2)

ALEX DOW (5)

Meetings and Program

Conducts Annual and Semi-Annual Meetings, arranging professional and entertainment programs.

D. S. KIMBALL, (2), *Chairman and Representative on Council*

WALTER RAUTENSTRAUCH (1)

W. G. STARKWEATHER (4)

A. L. DE LEEUW (3)

R. V. WRIGHT (5)

Assisted by subcommittees which examine papers for special sessions:

Sub-Committee on Air Machinery

CARL C. THOMAS, *Chairman*

B. C. BARCHELDER

HUGH V. CONRAD

FRED. A. HALSEY

O. P. HOOD

FREDERICK W. O'NEIL

RICHARD H. RICE

Sub-Committee on Foundry Practice

W. W. BIRD, *Chairman*

STANLEY G. FLAGG, JR.

BENJ. D. FULLER

ROBERT E. NEWCOMB

CHAS. E. KNOEPPPEL

WILFRED LEWIS

RICHARD MOLDENKE

Sub-Committee on Gas Power

W. T. MAGRUDER, *Chairman*

HARTE COOKE

EDMUND J. KANE

H. R. SETZ

H. F. SMITH

J. M. SPITZGLASS

W. B. STOUT

H. M. CRANE

H. C. DICKINSON

A. F. MILBRATH

Sub-Committee on Industrial Buildings

F. A. WALDRON, *Chairman*

HARRY A. BURNHAM

CHARLES DAY

WILLIAM DALTON

J. O. DEWOLF

CHARLES T. MAIN

Sub-Committee on Machine Shop Practice

W. A. VIALI, *Chairman*

H. P. FAIRFIELD, *Secretary*

E. P. BULLARD, JR.

N. E. ZUSI

FRED H. COLVIN

H. M. LUCAS

HENRY J. EBERHARDT

RALPH E. FLANDERS

J. N. HEALD

CHARLES FAIR

WILFRED LEWIS

A. J. BAKER

A. L. DELEEUW

DOUGLAS T. HAMILTON

GEORGE LANGEN

HENRY SPENCER

A. J. GIFFORD

NOTE: — Numbers in parenthesis indicate the number of years the member has yet to serve.

STANDING COMMITTEES OF ADMINISTRATION

Sub-Committee on Railroads

EDWIN B. KATTE, *Chairman*
GEO. M. BASFORD
FRANK H. CLARK
C. E. EVELETH
DR. W. F. M. GOSS

A. L. HUMPHREY
WM. F. KIESEL, JR.
GEO. W. RINK
NORMAN W. STOREE
H. H. VAUGHAN

Sub-Committee on Textiles

CHAS. T. PLUNKETT, *Chairman*
EDWARD W. THOMAS
GEO. S. BARNUM
ALBERT G. DUNCAN
CHARLES H. FISH

EDWIN F. GREENE
WM. D. HARTSHORNE
FRANKLIN H. HOBBS
G. HAWTHORNE PERKINS
H. B. THOMPSON

Publication and Papers

Supervises publication of The Journal (monthly), Transactions (annually), Year Book (annually), Condensed Catalogues (annually), and other publications.

GEORGE A. ORROK, (5), *Chairman and Representative in Council*
JOSEPH W. ROE (1)
H. H. ESSELSTYN (2)

GEORGE J. FORAN (3)
RALPH E. FLANDERS (4)

Membership

Receives and scrutinizes all applications for admission or transfer, and reports names to council.

S. D. COLLETT, (1), *Chairman and Representative on Council*
FREDERICK A. WALDEON (2)
R. F. JACOBUS (3)

W. S. TIMMIS (4)
HOSEA WEBSTER (5)

Constitution and By-Laws

Reports on all matters relating to Constitution, By-Laws and Rules referred to it by Council.

JESSE M. SMITH, (3), *Chairman and Representative on Council*
GEORGE M. BASFORD (1)
IRA H. WOOLSON (2)

E. S. CARMAN (4)
JAMES E. SAGUE (5)

Local Sections

Supervises conduct of affairs of all Local Sections throughout the country.

D. ROBERT YARNALL, (1), *Chairman and Representative on Council*

W. H. KENERSON (2)
C. RUSS RICHARDS (3)

LOUIS C. MAEBURG (4)
S. B. ELY (5)

Executive Committees appointed by the following Local Sections and in office this year are given on page xxi.

ATLANTA
BALTIMORE
BIRMINGHAM
BOSTON
BUFFALO

CHICAGO
CINCINNATI
CLEVELAND
CONNECTICUT, EXECUTIVE COMMITTEE
CONNECTICUT, BRIDGEPORT BRANCH

STANDING COMMITTEES

CONNECTICUT, HARTFORD BRANCH
 CONNECTICUT, MERIDEN BRANCH
 CONNECTICUT, NEW HAVEN BRANCH
 CONNECTICUT, WATERBURY BRANCH
 DETROIT
 ERIE
 INDIANAPOLIS
 LOS ANGELES
 MILWAUKEE

MINNESOTA
 NEW ORLEANS
 NEW YORK
 ONTARIO
 PHILADELPHIA
 ST. LOUIS
 SAN FRANCISCO
 WASHINGTON
 WORCESTER

The Providence Engineering Society is affiliated with this Society and coöperates with the Committee on Local Sections. See page xxii.

STANDING COMMITTEES

House

Maintenance of rooms of Society, furnishings, paintings, memorabilia, etc.
 ORRIS P. CUMMINGS, (1), Chairman J. D. MAGUIRE (4)
 MAXWELL P. UPSON (2) F. A. MUSCHENHEIM (5)
 H. O. POND (3)

Library

Represents Society on Library Board of United Engineering Society.

WALTER M. MCFARLAND (1) JESSE M. SMITH (4)
 A. M. HUNT (2) THE SECRETARY
 W. N. BEST (3)

Public Relations

Considers matters referred by Council bearing on relations of engineer to community.

F. H. NEWELL (1) JAMES E. SAGUE (3)
 FRED R. LOW (2) J. WALDO SMITH (4)

Research

Appointed 1909, for supervising all research activities, collaborating with committees of kindred societies, and obtaining results of researches conducted in other countries.

ARTHUR M. GREENE, JR., (1), Chairman WALTER RAUTENSTRAUCH (4)
 CARL C. THOMAS (2) REGINALD J. S. PIGOTT (5)
 ALBERT KINGSBURY (3)

This committee now has the following sub-committees working on investigations denoted by their titles:

Cutting Action of Machine Tools

Appointed 1915, to investigate efficiency and other properties of machine tools, continuing work started by a Committee of the National Machine Tool Builders' Association.

LEON P. ALFORD, Chairman E. E. BARNEY
 ADOLPH L. DELEEUEW

STANDING COMMITTEES

Fuel Oil

Appointed 1914, for purpose determining best methods of using fuel oil, and commercial advantages resulting therefrom.

RAYMOND H. DANFORTH, *Chairman*
LEE E. BARROWS

ANDREW M. HUNT

Lubrication

Formed 1915, to investigate underlying scientific laws and to formulate results of investigations previously made.

ALBERT KINGSBURY, *Chairman*
ALAN E. FLOWERS

MAYO D. HERSEY
GEORGE B. UPTON

Fluid Meters

Appointed 1916, to make tests on steam meters at power plants, etc. Progress Report published in January 1919 Journal.

REGINALD-J. S. PIGOTT, *Chairman*
GRANGE S. COFFIN
LEO LOEB

FRED G. HECHLER
CHARLES C. LEE
SIDNEY FISHER

Worm Gearing

Appointed 1916, to investigate the working capacity of worm gears.

FREDERICK A. HALSEY, *Chairman*
WILFRED LEWIS

LUTHER D. BURLINGAME
WALTER RAUTENSTRAUCH

Bearing Metals

Appointed August, 1916, to study microstructure and hardness of bearing crystals. Progress report published in January 1919 Journal.

CHRISTOPHER H. BIERBAUM, *Chairman*
HERMAN DIEDERICH

JOHN A. CAPP

Heat Transmission

Formed 1918 to co-operate with similar committee of A. S. R. E.

GEORGE A. ORROK, *Chairman*
A. EDGAR BUCKINGHAM
HARVEY N. DAVIS

A. J. WOOD
A. N. PRATT

Standardization Committee

Standardizes method of making and arriving at standards themselves. Endeavors to bring about a unification of the standards of the Society.

HENRY HESS, (3), *Chairman*
LIONEL S. MARKS (1)
CLARENCE F. HIRSHFELD (4)

WALTER S. TWINING (5)
WILLIAM F. KIESEL (2)

SPECIAL COMMITTEES

SPECIAL COMMITTEES

*Including committees on administrative and on engineering subjects.
Arranged alphabetically, and including both committees
of this Society and joint committees.*

ADMINISTRATIVE SUBJECTS

Aims and Organization

*Appointed in 1918 to consider aims and activities of the Society in light
of present-day developments and formulate methods for their promotion.*

Appointees Representing Local Sections

C. H. REPATH, <i>Los Angeles</i>	E. S. CARMAN, <i>Cleveland</i>
T. C. MCBRIDE, <i>Philadelphia</i>	C. E. LOED, <i>Chicago</i>
C. H. BIERBAUM, <i>Buffalo</i>	C. M. SPALDING, <i>Erie</i>
R. COLLAMORE, <i>Detroit</i>	L. V. LUDY, <i>Indianapolis</i>
A. G. DUNCAN, <i>Boston</i>	G. K. PARSONS, <i>New York</i>
J. T. FAIG, <i>Cincinnati</i>	E. F. SCOTT, <i>Atlanta</i>
H. GASSMAN, <i>Birmingham</i>	L. E. STROTHMAN, <i>Milwaukee</i>
L. GUSTAFSON, <i>St. Louis</i>	C. W. TUBBY, <i>Minnesota</i>
J. L. HENNING, <i>New Orleans</i>	J. T. WHITTLESEY, <i>San Francisco</i>
L. P. BRECKENRIDGE, <i>Connecticut</i>	A. E. WALDEN, <i>Baltimore</i>
H. P. FAIRFIELD, <i>Worcester</i>	R. W. ANGUS, <i>Ontario</i>

Members at Large

L. P. ALFORD
S. B. ELY
W. F. M. GOSS
J. HARTNESS
D. S. KIMBALL
F. R. LOW
L. C. MARBURG, *Chairman of the Committee*
G. I. ROCKWOOD

Executive Committee

L. C. MARBURG
L. V. LUDY
L. P. ALFORD
D. S. KIMBALL
G. I. ROCKWOOD

A. S. M. E. Junior Prizes

*Appointed annually to award Junior Prize for best paper by Junior
Member.*

TO BE APPOINTED

A. S. M. E. Student Prizes

*Appointed annually to award prize for best paper by enrolled Student
Member.*

TO BE APPOINTED

Increase of Membership

*For disseminating information regarding the activities and benefits of the
Society to those whose professional attainments would qualify
them for admission.*

A. L. WILLISTON, *Chairman*
W. E. SYMONS, *Chairman of Finance Committee*
*Assisted by the Executive Committees of the several Local Sections, and
by an organization of sub-committees in various centers.*

Industrial Relations

Appointed in 1919 to further coöperation between employee and employer.
A. W. BURCHARD, *Chairman* HENRY D. SHARPE
JOHN W. LIEB CHARLES CHENEY
M. W. ALEXANDER W. H. MANSS
FRANK A. SCOTT

Memorial to Dr. F. R. Hutton

Appointed in 1918 to erect a memorial tablet to the late Honorary Secretary in the rooms of the Society.
JESSE M. SMITH WM. H. WILEY
AMBROSE SWASEY

Rehabilitation of Blind Soldiers

CHARLES H. BENJAMIN, *Chairman* J. D. HOFFMAN
TO BE APPOINTED

Student Branches

Supervises activities of all Student Branches of Society established in educational institutions.
IRA N. HOLLIS, *Acting Chairman* TO BE APPOINTED

War Industries Readjustment

Appointed in 1918 to coöperate with regional directors of Resources and Conversion Division of U. S. War Industries Board.
GEORGE K. PARSONS, *Chairman* ERIC V. OBERG
FRED A. SCHEFFLER
Assisted by representatives in the Local Sections centers.

ENGINEERING SUBJECTS

A. S. M. E. Boiler Code

Has prepared rules for the construction of stationary boilers and for allowable working pressures (A. S. M. E. Boiler Code, 1914); issued interpretations and also revised code (1918).

JOHN A. STEVENS, <i>Chairman</i>	CHAS. L. HUSTON
C. W. OBERT, <i>Secretary</i>	D. S. JACOBUS
WM. H. BOEHM	S. F. JETER
FRANK H. CLARK	WM. F. KIESEL, JR.
FRANCIS W. DEAN	F. R. LOW
THOMAS E. DURBAN	W. F. MACGREGOR
E. R. FISH	EDWARD F. MILLER
ELBERT CURTISS FISHER	M. F. MOORE
CHAS. E. GORTON	I. E. MOULTROP
ARTHUR M. GREENE, JR.	RICHARD D. REED
RICHARD HAMMOND	H. H. VAUGHAN
A. L. HUMPHREY	

Assisted by the following sub-committees:

SPECIAL COMMITTEES

Sub-Committee to Confer with Committee of A. S. T. M. on Material Specifications

D. S. JACOBUS
S. F. JETER

W. F. KIESEL, JR.

Sub-Committee on Boiler Tubes

D. S. JACOBUS
S. F. JETER
W. F. KIESEL, JR.

Sub-Committee on Welding

F. L. FAIRBANKS, *Chairman*
F. J. COLE, Railway Locomotive Construction
J. A. DIXON, Railway Pressure Tanks
E. R. FISH, Boiler Code Comm., A. S. M. E.
S. F. JETER, Boiler Code Comm., A. S. M. E.
M. W. KELLOGG, Power Plant Piping & Receivers
W. F. KIESEL, JR., Boiler Code Comm., A. S. M. E.
S. W. MILLER, Rochester Welding Co.
HENRY TORRANCE, A. S. R. E.

Sub-Committee on Rules for Inspection

CHARLES S. BLAKE
CHARLES E. GORTON
F. W. HERENDEN
JAMES PARTINGTON
JOHN L. THOMPSON

Sub-Committee on Railway Locomotive Boiler Code

F. H. CLARK
H. H. VAUGHN
W. F. KIESEL, JR.
F. J. COLE
ALEXANDER C. HUMPHREY
S. F. JETER

A. S. M. E. Power Test Codes

Reorganized December, 1918, to revise and enlarge the Power Test Codes of the Society published in 1915.

Main Committee

FRED. R. LOW, *Chairman*
EDWARD T. ADAMS
LESTER P. BRECKENRIDGE
EDWARD F. MILLER
WILLIAM F. UHL
ALBERT C. WOOD
WM. C. BROWN
EDWARD R. FISH
FRANCIS HODGKINSON
RICHARD H. RICE
HARRY F. SMITH
LOUIS E. STROTHMAN
NATHANIEL A. CARLE
GEORGE H. BARRUS

ROBERT H. FERNALD
W. F. M. GOSS
DAVID S. JACOBUS
JAMES W. PARKER
ARTHUR WEST
OLIVER D. H. BENTLEY
GEORGE J. FORAN
GEORGE R. HENDERSON
LEWIS F. MOODY
JAMES A. SEYMOUR
FREDERICK R. STILL
EDWARD N. TRUMP
ANDREW M. HUNT

Individual Committees

1. General Instructions

C. F. HIRSHFELD
A. M. GREENE, JR.
W. H. KAVANAUGH
J. D. ANDREW
W. F. M. GOSS
GEO. H. BARRUS

2. Definitions and Values

T. W. KINKAID
S. W. STRATTON
L. S. MARKS
R. J. S. PIGOTT
F. R. LOW
A. C. WOOD

SPECIAL COMMITTEES

3. Fuels

E. G. BAILEY
C. R. RICHARDS
DAVID MOFFAT MYERS
S. W. PARR
GEO. S. POPE
L. P. BRECKENRIDGE
E. N. TRUMP

5. Steam Engines

F. H. VOSE
J. F. MAX PATITZ
A. G. CHRISTIE
H. DIEDERICH
HARTE COOKE
W. C. BROWN
GEORGE H. BARRUS

7. Displacement Pumps

CHAS. H. ANDERSON
D. H. MAURY
D. A. DECROW
E. H. BROWN
L. E. STROTHMAN
GEO. J. FORAN

9. Displacement Compressors and Blowers

S. B. REDFIELD
CHAS. PRENTISS TURNER
C. G. SPRADO
PAUL DISERENS
H. V. CONRAD
J. T. WILKIN
O. D. H. BENTLEY
F. R. STILL

11. Complete Steam Power Plants

A. A. POTTER
C. F. HIRSHFELD
W. S. MONROE
F. L. PRYOR
B. R. T. COLLINS
A. R. DODGE
J. W. PARKER
N. A. CARLE

13. Refrigerating Machines and Plants

PETER NEFF
LOUIS BLOCK
N. H. HILLER
W. S. SHIPLEY
F. E. MATHEWS
D. S. JACOBUS
E. F. MILLER

4. Boilers

A. D. BAILEY
A. D. PRATT
E. B. RICKETTS
A. A. CAREY
W. N. BEST
E. R. FISH
D. S. JACOBUS

6. Steam Turbines

W. J. A. LONDON
I. E. MOULTROP
S. A. MOSS
CARL C. THOMAS
F. HODGKINSON
J. W. PARKER
RICHARD H. RICE

8. Centrifugal Pumps

F. H. ROGERS
M. SPILLMAN
W. B. GREGORY
W. M. WHITE
L. F. MOODY
W. C. BROWN

10. Centrifugal and Turbo-Compressors

C. H. SMOOT
F. G. CUTLER
J. E. EMSWILER
H. F. HAGEN
S. A. MOSS
R. H. RICE

12. Condenser Units and Feed Water Heaters

P. D. REYNOLDS
CHAS. H. BAKER
E. W. CHRISTIE
G. A. ORROCK
LEO LOEB
R. N. EHRHART
GEO. J. FORAN

14. Evaporating Apparatus

EZRA NEWHALL
B. N. BUMP
L. C. ROGERS
EDW. N. TRUMP

SPECIAL COMMITTEES

15. Locomotives

E. C. SCHMIDT
MAX TOLTZ
GEO. M. BASFORD
C. D. YOUNG
A. W. GIBBS
GEORGE R. HENDERSON
W. F. M. GOSS

16. Gas Producers

WM. T. MAGRUDER
WM. B. CHAPMAN
CARL D. SMITH
C. LEE STRAUB
G. J. RATHBUN
H. F. SMITH
ROBT. H. FERNALD

17. Gas and Oil Engines

MAX ROTTER
C. E. LUCKE
A. E. BALLIN
A. WEST
J. A. SEYMOUR
E. T. ADAMS

18. Water Wheel Code

A. S. O. E.

CLEMENS HERSCHEL
N. A. CARLE
B. F. GREAT
A. I. E. E.
H. W. BUCK
PHILIP TORCHIO
H. S. PUTNAM
N. E. L. A.
C. M. ALLEN
A. C. CLOGHER
J. A. WALLS
A. S. M. E.
JOHN L. HARPER
C. W. LARNER
W. F. UHL

Feed Water Heater Standardization

Investigating design and manufacture of feed-water heaters to find standard basis for rating.

GEORGE F. GEBHARDT, *Chairman*
VICTOR J. AZBE, *Secretary*
THOMAS J. COOKSON
JOHN J. HOPPEs

FRANK E. IDELL
EDWIN B. RICKETTS
JESSE D. LYON
JOSEPH HARRINGTON

Protection of Industrial Workers

Assists in preparation of safety codes; coöperating with U. S. Bureau of Standards and with Safety Committee of National Association of Manufacturers. Formerly a sub-committee of the Committee on Meetings.

JOHN W. UPP, *Acting Chairman*
JOHN H. BARB
JOHN PRICE JACKSON
MELVILLE W. MIX
MAGNUS W. ALEXANDER
WILLIAM A. VIALI

CARL M. HANSEN
WILLIAM P. EALES
HERBERT L. WHITTEMORE
BYRON CUMMINGS
CARL B. AUER

Machine Tool Standardization

Appointed 1916 to standardize use of machine tools in manufacture of munitions of war.

A. L. DELEEuw, *Chairman*
LEON P. ALFORD
H. V. HAIGHT

D. S. KIMBALL
W. L. SCHELLENBACH
J. H. VAN DEVENTER

SPECIAL COMMITTEES

Revision of Briggs Standard

Taken over in February, 1918, from A. S. T. N., with whom it is working jointly as well as with five other associations.

E. M. HERR, *Chairman*

JOHN C. BANNISTER

S. G. FLAGG, JR.

Shafting, Standardization of

Appointed 1918. Is preparing report suggesting reduction in number of sizes of (1) transmission shafting and (2) shafting used in machinery manufacture.

C. M. CHAPMAN, *Chairman*

LOUIS W. WILLIAMS

G. N. VANDERHOEF

R. E. NELLES

HUNTER MORRISON

Steel Roller Chains

Joint committee with the Society of Automotive Engineers, Inc.

CHARLES H. BENJAMIN, *Chairman*

J. J. FLATHER

G. M. BARTLETT, *Secretary*

F. V. HETZEL

E. H. AHARA

C. E. WHITNEY

J. R. CAUTELY

Technical Nomenclature

Joint Committee appointed July, 1917, cooperating with a committee of the Society for the Promotion of Engineering Education to investigate the systematizing or standardizing of Technical Nomenclature.

PROF. W. D. ENNIS, *Chairman*

L. G. FRENCH

F. L. BEERS

Weights and Measures

Appointed June, 1916, cooperating with other engineering societies to investigate and report on the use of the metric system in American engineering practice.

L. D. BURLINGAME, *Chairman*

F. A. HALSEY

E. M. HERR

A. L. DELEEUW

SPECIAL TECHNICAL (SCREW THREAD) COMMITTEES

Screw Threads and Threaded Parts

Formed March, 1918, by action of Council to supervise all screw-thread standardization; composed of representatives of its various sub-committees.

EDWIN M. HERR, *Chairman*

FRANK O. WELLS

EDWIN H. EHREMAN, *Vice-Chairman*

STANLEY G. FLAGG, JR.

JAMES HARTNESS

ARTHUR M. HOUSER

Flanges and Pipe Fittings

Holds conferences with Manufacturers' Committee and establishes mutually satisfactory U. S. Standards. Reports published in 1914 and 1918.

ARTHUR R. BAYLIS, *Chairman*

JULIAN KENNEDY

STANLEY G. FLAGG, JR.

EDWIN A. STILLMAN

EDWIN M. HERR

AXEL S. VOGT

ARTHUR M. HOUSER

WILLIAM M. WHITE

ANNUAL COMMITTEES

Machine Screw Nuts

Organized June, 1917, at suggestion of U. S. Navy Department to establish standards in coöperation with S. A. E., Navy Department and Manufacturer's Committee

EDWIN H. EHRMAN, *Chairman*
ELLWOOD BURDSALL

LUTHER D. BURLINGAME

Tolerances in Screw Thread Fits

Began work June, 1912. Report published in February, 1918, prescribes permissible tolerances in commercial manufacture of taps, dies, bolts, nuts and screws, including method of measurement.

LUTHER D. BURLINGAME, *Chairman*
ELLWOOD BURDSALL
FREDERIC G. COBURN
ARTHUR A. FULLER
REAR ADM. WALTER F. WORTHINGTON

JAMES HARTNESS
WILL R. PORTER
FRANK O. WELLS
FRED H. COLVIN
CHARLES D. YOUNG

ANNUAL COMMITTEES

Regular Nominating Committee

Appointed by the President, assisted by the Local Sections.

TO BE APPOINTED

Tellers of Election

Appointed by the President.

J. H. LAWRENCE, *Chairman*
MANCIUS S. HUTTON

R. K. MACMASTER

SOCIETY REPRESENTATIVES

Appointees by the Council on committees, etc., of other bodies.

On American Association for Advancement of Science

JOHN A. BRASHEAR

W. B. GREGORY

On American Engineering Standards Committee

Aims to organize and control forming of engineering and industrial standards in United States. Began work in October, 1918.

HENRY HESS

HENRY VAUGHAN

WILLIAM F. KIESEL

On Classification of Technical Literature Committee

Committee of the Library of the Engineering Societies and other bodies.

WILLIAM W. BIRD

ALFRED E. FORSTAU

L. P. BRECKENRIDGE

EDWIN J. PRINDLE

On Cost of Electric Power Committee

Conference committee coöperating with Sub-Committee on Cost of Electric Power of Committee on Standards of American Institute of Electrical Engineers.

JOHN A. STEVENS, Acting Chairman

DUGALD C. JACKSON

REGINALD J. S. PIGOTT

AUGUST H. KRUESI

BENJAMIN F. WOOD

On Engineering Council

M. E. COOLEY (1)

GEO. J. FORAN (3)

D. S. JACOBUS (2)

CHARLES WHITING BAKER (3)

DR. IRA N. HOLLIS (2)

On Engineering Foundation Board

W. F. M. GOSS

E. G. SPILSBURY

D. S. JACOBUS

On International Corresponding Committee on Screw Threads

Formed by mutual agreement following Anglo-American Screw Thread Conference in London, April, 1918. Its aim is an International Standard Screw Threads.

EDWIN M. HERR, Chairman

EDWIN H. EHRMAN, Vice-Chairman

RALPH E. FLANDERS

FRANK O. WELLS

LAURENCE V. BENET, Paris

Representative

On International Standard for Pipe Threads

Appointed 1908 to represent Society in negotiations incident to International Congress called by Société des Industries du Gas

E. M. HERR, Chairman

W. J. BALDWIN

G. M. BOND

S. G. FLAGG, JR.

L. V. BENET, Paris Representative

On John Fritz Medal Board of Award

W. F. M. GOSS (1)

JOHN R. FREEMAN (2)

AMBROSE SWASEY (3)

JOHN A. BRASHEAR (4)

On Joseph A. Holmes Memorial Board

JOHN A. BRASHEAR

LOCAL SECTIONS

On National Research Council *Engineering Division*

ARTHUR M. GREENE, JR.

On Naval Consulting Board of the United States

W. L. R. EMMET

SPENCER MILLER

On Standards for Graphic Presentation

W. C. BRINTON (*also Chairman of the Committee*)

On United Engineering Society, Board of Trustees

E. G. SPILSBURY (1)

I. E. MOULTROP (3)

WALTER M. MCFARLAND (2)

On United Engineering Society, Library Board

ANDREW M. HUNT (2)

JESSE M. SMITH (4)

WALTER M. MCFARLAND (1)

THE SECRETARY

J. W. LIEB (3)

(*being the Library Committee of the A. S. M. E.*)

On U. S. Bureau of Mines, Advisory Committee

STANDING COMMITTEE ON RESEARCH

On Western Society of Engineers, Washington Award

CHARLES F. BRUSH

OFFICERS OF AFFILIATED SOCIETY

Providence Engineering Society

GEO. A. CARPENTER, *President*

WM. A. KENNEDY, *Secretary*

WAYLAND T. ROBERTSON, *1st Vice-Pres.*

ALBERT E. THORNLEY, *Treas.*

J. T. FRANKENBERG, *2nd Vice-Pres.*

LOCAL SECTIONS

Atlanta

TERRITORY, Radius of sixty miles from the City of Atlanta.

PLACE OF MEETING, Private dining room of local club or hotel.

LOCAL ORGANIZATION, Technical Society of Atlanta.

NUMBER OF MEMBERS, (December 1, 1918) 41.

EXECUTIVE COMMITTEE:

ROBERT GREGG, *Chairman*

C. P. POOLE

WM. J. NEVILLE, *Secretary*

EARL F. SCOTT

H. J. HINCHEY

SUB-COMMITTEES: Meetings.

Baltimore

TERRITORY, Radius of thirty miles from the City of Baltimore.

PLACE OF MEETING, Engineers' Club of Baltimore.

LOCAL ORGANIZATION, Engineers' Club of Baltimore.

NUMBER OF MEMBERS, 101.

EXECUTIVE COMMITTEE:

A. E. WALDEN, *Chairman*

W. W. VARNEY

WILLIAM L. DEBAUFRE, *Vice-Chairman*

J. C. SMALLWOOD

A. G. CHRISTIE

SUB-COMMITTEES: Papers, Research and Increase of Membership.

LOCAL SECTIONS

Birmingham

TERRITORY, Radius of sixty miles from the City of Birmingham.
PLACE OF MEETING, Southern Club of Birmingham Civic Association.
LOCAL ORGANIZATION, Alabama Technical Association.
NUMBER OF MEMBERS, 45.

EXECUTIVE COMMITTEE:

W. P. CAINE, *Chairman*

JAMES W. MOORE, *Secretary*

H. M. GASSMAN

PAUL WRIGHT

W. LEE ROUECHE

SUB-COMMITTEES: Program, Papers and Research, Membership, A. S.
M. E. Boiler Code, and Aims and Organization.

Boston

TERRITORY, Radius of thirty miles from the City of Boston.
PLACE OF MEETING, Boston Engineers' Club, etc.
LOCAL ORGANIZATION, Boston Society of Civil Engineers.
NUMBER OF MEMBERS, 514.

EXECUTIVE COMMITTEE:

WM. G. STARKWEATHER, *Chairman*

ELMER SMITH, *Secretary*

A. C. ASHTON, *Treasurer*

W. W. CROSBY

GEO. P. ABORN

EDWARD M. JENNINGS

SUB-COMMITTEES: Membership, Social, Meetings, Aims and Organization.

Buffalo

TERRITORY, Radius of thirty miles from the City of Buffalo.
PLACE OF MEETING, Hotel Statler.
LOCAL ORGANIZATION, Engineering Society of Buffalo.
NUMBER OF MEMBERS, 122.

EXECUTIVE COMMITTEE:

H. B. ALVERSON, *Chairman*

H. P. PARROCK, *Vice-Chairman*

KESTER BARR

W. W. BOYD, *Secretary*

F. W. BAILEY

SUB-COMMITTEES: None.

Chicago

TERRITORY, Radius of thirty miles from the City of Chicago.
PLACE OF MEETING, Western Society of Engineers, etc.
LOCAL ORGANIZATION, Western Society of Engineers.
NUMBER OF MEMBERS, 496.

EXECUTIVE COMMITTEE:

C. E. LORD, *Chairman*

P. A. POPPENHUSEN, *Vice-Chairman*

A. L. RICE, *Secretary*

ROBT. QUAYLE

J. J. MERRILL

SUB-COMMITTEE: Reception.

Cincinnati

TERRITORY, Radius of thirty miles from the City of Cincinnati.
PLACE OF MEETING, Engineers' Club of Cincinnati.
LOCAL ORGANIZATION, Engineers' Club of Cincinnati.
NUMBER OF MEMBERS, 160.

EXECUTIVE COMMITTEE:

GEO. W. GALBRAITH, *Chairman*

E. A. MULLER, *Vice-Chairman*

J. T. FAIG, *Sec'y-Treas.*

A. L. JENKINS

H. M. NORRIS

SUB-COMMITTEES: Papers, Research, Entertainment, Publicity, Machine
Tools, Steam Engineering, Gas and Oil, Engineering, Industrial Edu-

LOCAL SECTIONS

cation, Railroad Engineering, Increase of Membership, Electrical Engineering, Auditing.

Cleveland

TERRITORY, Radius of thirty miles from the City of Cleveland.

PLACE OF MEETING, Cleveland Engineering Society.

LOCAL ORGANIZATION, Cleveland Engineering Society.

NUMBER OF MEMBERS, 249.

EXECUTIVE COMMITTEE:

E. S. CARMAN, *Chairman*

C. H. DAY

J. H. STRATTON, *Vice-Chairman*

H. J. SMITH

J. H. HERRON, *Secretary*

E. P. ROBERTS

WILLARD BROWN, *Treasurer*

H. Z. BIXLER

R. F. NAILLER

G. T. SNYDER

SUB-COMMITTEES: Aims, Organization, Membership and Program.

Connecticut State Section

TERRITORY, Entire State of Connecticut.

PLACE OF MEETING, Held in various branches, as below.

NUMBER OF MEMBERS, 480.

EXECUTIVE COMMITTEE:

J. A. NORCROSS, *Chairman*

CHARLES S. BLAKE

C. K. DECHERD, *Secretary*

HUGH L. THOMPSON

E. L. FLETCHER

B. M. W. HANSON

SUB-COMMITTEES: None.

Bridgeport Branch

PLACE OF MEETING, Bridgeport High School, Stratford Hotel, etc.

LOCAL ORGANIZATION, None.

EXECUTIVE COMMITTEE:

E. L. FLETCHER, *Chairman*

C. F. MACGILL, *Secretary*

ARTHUR BREWER, *Vice-Chairman*

J. COULTER

J. C. KINGSBURY, *Treasurer*

H. E. WELLS

SUB-COMMITTEES: Membership, Papers and Research, Meetings, Publicity, Reception and Dinner.

Hartford Branch

PLACE OF MEETING, No regular place.

LOCAL ORGANIZATION, None.

EXECUTIVE COMMITTEE:

CHARLES S. BLAKE, *Chairman*

W. H. HONISE

FRANK E. HOWARD, *Vice-Chairman*

S. F. JETER

M. D. CHURCH, *Sec'y-Treas.*

H. P. MAXIM

C. L. GROHMANN

C. H. VEEDER

B. M. W. HANSON

SUB-COMMITTEES: None.

Meriden Branch

PLACE OF MEETING, Chamber of Commerce Hall.

LOCAL ORGANIZATION, Meriden Chamber of Commerce.

EXECUTIVE COMMITTEE:

C. K. DECHERD, *Chairman*

J. A. HUTCHINSON

C. N. FLAGG, JR.

F. L. WOOD

F. L. ROWNTREE

SUB-COMMITTEES: Papers, Membership, Aims and Organization.

LOCAL SECTIONS

New Haven Branch

PLACE OF MEETING, Yale University.

LOCAL ORGANIZATION, Winchester Engineering Society.

EXECUTIVE COMMITTEE:

J. A. NORCROSS, *Chairman* A. C. JEWITT

E. H. LOCKWOOD, *Secretary* F. L. MACKINTOSH

S. H. BARNUM E. PUGSLEY

SUB-COMMITTEES: Increase of Membership.

Waterbury Branch

PLACE OF MEETING, No regular place.

LOCAL ORGANIZATION, None.

EXECUTIVE COMMITTEE:

HUGH L. THOMPSON, *Chairman* GEORGE S. PUTNAM, *Secretary*

FREDERICK S. CHASE, *Vice-Chairman* HOWARD L. ISBELL

SUB-COMMITTEES: None.

Detroit

TERRITORY, Radius of thirty miles from the City of Detroit.

PLACE OF MEETING, Board of Commerce Building.

LOCAL ORGANIZATION, Detroit Engineering Society.

NUMBER OF MEMBERS, 240.

EXECUTIVE COMMITTEE:

E. C. FISHER, *Chairman* J. C. McCABE

E. J. BURDICK, *Vice-Chairman* E. J. FROST

F. H. MASON, *Sec'y-Treas.*

SUB-COMMITTEE: Membership.

Erie

TERRITORY, Radius of thirty miles from the City of Erie.

PLACE OF MEETING, Board of Commerce Building, etc.

LOCAL ORGANIZATION, Engineers' Society of Northwestern Pennsylvania.

NUMBER OF MEMBERS, 27.

EXECUTIVE COMMITTEE:

M. W. SHERWOOD, *Chairman* R. CONRADER, *Treasurer*

C. M. SPALDING, *Vice-Chairman* J. ST. LAWRENCE, *Secretary*

SUB-COMMITTEES: None.

Indianapolis

TERRITORY, Radius of thirty miles from the City of Indianapolis.

PLACE OF MEETING, No regular place.

LOCAL ORGANIZATION, Indianapolis Engineers' Club.

NUMBER OF MEMBERS, 83.

EXECUTIVE COMMITTEE:

L. W. WALLACE, *Chairman* GILBERT A. YOUNG

W. A. HANLEY, *Vice-Chairman* F. C. WAGNER

B. G. MERING, *Treasurer* CHARLES BROSMAN, *Secretary*

SUB-COMMITTEE: Indianapolis Engineers' Club.

Los Angeles

TERRITORY, Radius of sixty miles from the City of Los Angeles.

PLACE OF MEETING, No regular place.

LOCAL ORGANIZATION, Joint Committee of the Technical Societies of Los Angeles.

NUMBER OF MEMBERS, 69.

LOCAL SECTIONS

EXECUTIVE COMMITTEE:

CHAS. H. MCGWIRE, *Chairman*

T. J. ROYER, *Secretary*

CHAS. BURNHAM

FRED J. FISCHER

J. A. WINTROATH

SUB-COMMITTEES: Membership, Papers and Research.

Milwaukee

TERRITORY, Radius of fifty miles from the City of Milwaukee.

PLACE OF MEETING, City Club.

LOCAL ORGANIZATION, Engineers' Society of Milwaukee.

NUMBER OF MEMBERS, 107.

EXECUTIVE COMMITTEE:

W. M. WHITE, *Chairman*

F. H. DORNER, *Secretary*

L. E. STROTHMAN

EDW. HUTCHENS

M. A. BECK

SUB-COMMITTEES: None.

Minnesota

TERRITORY, Entire State of Minnesota.

PLACE OF MEETING, Midway Branch, St. Paul Association of Commerce.

LOCAL ORGANIZATION, Minnesota Joint Engineering Board.

NUMBER OF MEMBERS, 95.

EXECUTIVE COMMITTEE:

J. A. TEACH, *Chairman*

R. B. WHITACRE, *Vice-Chairman*

RAY MAYHEW, *Sec'y-Treas.*

H. LEROY BRINK

J. V. MARTENIS

SUB-COMMITTEES: None.

New Orleans

TERRITORY, Radius of thirty miles from the City of New Orleans.

PLACE OF MEETINGS, Louisiana Engineers' Society.

LOCAL ORGANIZATION, Louisiana Engineers' Society.

NUMBER OF MEMBERS, 36.

EXECUTIVE COMMITTEE:

E. W. CARR, JR., *Sec'y-Treas.*

R. T. BURWELL

W. E. MOSES

J. S. BARRELLI

SUB-COMMITTEES: Research, Papers, Excursions and Entertainment.

New York

TERRITORY, Metropolitan District.

PLACE OF MEETINGS, Engineering Societies Building.

LOCAL ORGANIZATION, None.

NUMBER OF MEMBERS, 2260.

EXECUTIVE COMMITTEE:

W. W. MACON, *Chairman*

H. D. EGBERT, *Secretary*

G. K. PARSONS

S. M. MARSHALL

A. J. BALDWIN

W. C. BRINTON

SUB-COMMITTEE: Nominating Committee.

Ontario

TERRITORY, Radius of thirty miles from the City of Toronto.

PLACE OF MEETINGS, Engineers' Club.

LOCAL ORGANIZATION, Engineering Institute of Canada.

NUMBER OF MEMBERS, 48.

EXECUTIVE COMMITTEE:

R. W. ANGUS, *Chairman*

C. B. HAMILTON, *Secretary*

JAMES MILNE

J. H. BILLINGS

G. V. AHARA

SUB-COMMITTEE: Increase of Membership.

LOCAL SECTIONS

Philadelphia

TERRITORY, Radius of thirty miles from the City of Philadelphia.

PLACE OF MEETINGS, Philadelphia Engineers' Club.

LOCAL ORGANIZATION, Philadelphia Engineers' Club.

NUMBER OF MEMBERS, 637.

EXECUTIVE COMMITTEE:

C. N. LAUER, *Chairman*

J. P. MUDD, *Secretary*

H. B. TAYLOR

L. F. MOODY

W. B. MURPHY

L. H. KENNEY

SUB-COMMITTEES: Research, Membership, Public Relations, Organization, Papers, Meetings, Boundary, Development.

St. Louis

TERRITORY, Radius of thirty miles from the city of St. Louis (St. Louis-St. Charles).

PLACE OF MEETING, Engineers' Club of St. Louis, City Club, Missouri Athletic Club.

LOCAL ORGANIZATION, Engineers' Club of St. Louis.

NUMBER OF MEMBERS, 100.

EXECUTIVE COMMITTEE:

LEWIS GUSTAFSON, *Chairman*

J. P. MORRISON, *Secretary*

GEO. B. EVANS

E. W. SCHADER

R. L. RADCLIFFE

SUB-COMMITTEE: Papers and Research.

San Francisco

TERRITORY, Radius of sixty miles from the City of San Francisco.

PLACE OF MEETING, San Francisco Engineers' Club.

LOCAL ORGANIZATION: San Francisco Engineers' Club.

NUMBER OF MEMBERS, 143.

EXECUTIVE COMMITTEE:

E. C. JONES, *Chairman*

ELGIN STODDARD, *Vice-Chairman*

GEORGE L. HURST, *Secretary*

H. S. MARKEY

J. H. HOPPS

SUB-COMMITTEES: Increase of Membership, and Licensing Engineers.

Worcester

TERRITORY, Radius of thirty miles from the City of Worcester.

PLACE OF MEETING, Worcester Polytechnic Institute.

LOCAL ORGANIZATION, National Machine Tool Builders Association, Stoker Manufacturers Association, Worcester Economic Club.

NUMBER OF MEMBERS, 125.

EXECUTIVE COMMITTEE:

E. C. MAYO, *Chairman*

CHESTER T. REED, *Secretary*

GEORGE N. JEPSON

ALBERT W. DARLING

H. P. FAIRFIELD

GEORGE E. WILLIAMSON

FREDERICK FOSDICK

SUB-COMMITTEE: None.

Washington

TERRITORY, District of Columbia.

PLACE OF MEETING, U. S. Bureau of Standards.

LOCAL SECTIONS

LOCAL ORGANIZATION, Washington Society of Engineers.

NUMBER OF MEMBERS, 316.

EXECUTIVE COMMITTEE:

SAMUEL W. STRATTON, *Chairman*

ARTHUR E. JOHNSON

GEORGE A. WESCHLER, *Secretary*

J. K. KLINCK

H. L. WHITTEMORE

SUB-COMMITTEE: None.

Total membership within territories of Local Sections on December

1, 1918 6420

STUDENT BRANCHES

	Date Author- ized by Council
Arkansas, University of, Fayetteville, Ark.....	1910
Armour Institute of Tech., Chicago, Ill.....	1909
Bucknell University, Lewisburg, Pa.....	1916
California, University of, Berkeley, Cal.....	1912
Carnegie Institute of Tech., Pittsburgh, Pa.....	1913
Case School of Applied Science, Cleveland, O.....	1913
Cincinnati, University of, Cincinnati, O.....	1909
(Colo.) State Agri. College, Fort Collins, Colo.....	1914
Colorado, University of, Boulder, Colo.....	1914
Columbia University, New York.....	1909
Cornell University, Ithaca, N. Y.....	1908
Georgia School of Tech., Atlanta, Ga.....	1915
Illinois, University of, Urbana, Ill.....	1909
Iowa, State University of, Iowa City, Iowa.....	1913
Johns Hopkins University, Baltimore, Md.....	1917
Kansas State Agri. College, Manhattan, Kan.....	1914
Kansas, University of, Lawrence, Kan.....	1909
Kentucky, State University of, Lexington, Ky.....	1911
Lehigh University, South Bethlehem, Pa.....	1911
Leland Stanford Jr. University, Stanford Univ., Cal.....	1909
Louisiana State University, Baton Rouge, La.....	1916
Maine, University of, Orono, Me.....	1910
Massachusetts Inst. of Tech., Boston, Mass.....	1909
Michigan Agricultural College, East Lansing, Mich.....	1917
Michigan, University of, Ann Arbor, Mich.....	1914
Minnesota, University of, Minneapolis, Minn.....	1913
Missouri, University of, Columbia, Mo.....	1909
Nebraska, University of, Lincoln, Neb.....	1909
New York University, New York, N. Y.....	1909
Ohio State University, Columbus, O.....	1911
Oklahoma, University of, Norman, Okla.....	1917
Oregon Agricultural College, Corvallis, Ore.....	1917
Pennsylvania State College, State College, Pa.....	1909
Pittsburgh, University of, Pittsburgh, Pa.....	1917
Polytechnic Institute of Brooklyn, Brooklyn, N. Y.....	1909
Purdue University, Lafayette, Ind.....	1909
Rensselaer Polytechnic Institute, Troy, N. Y.....	1910
Stevens Institute of Technology, Hoboken, N. J.....	1908
Syracuse University, Syracuse, N. Y.....	1911
Throop College of Technology, Pasadena, Cal.....	1914
Tufts College, Tufts College, Mass.....	1917
Virginia Polytechnic Institute, Blacksburg, Va.....	1915
Washington University, St. Louis, Mo.....	1911
Washington, University of, Seattle, Wash.....	1917
Wisconsin, University of, Madison, Wis.....	1909
Worcester Polytechnic Institute, Worcester, Mass.....	1914
Yale University, New Haven, Conn.....	1910

GENERAL INFORMATION

The Society, its Objects and Activities

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS was founded in 1880 "to promote the arts and sciences connected with engineering and mechanical construction." The Society endeavors to accomplish this object through its *meetings*, general and section, held periodically throughout the United States; its *publications*,— which are distributed free to its membership, to libraries in exchange and to others by subscription; its large number of *committees*, working to develop the Society's usefulness in the mechanical engineering profession; and its *library*, located in New York City, but available to engineers throughout the country through the medium of the Library Service Bureau, a special library mail service.

HEADQUARTERS

The headquarters of The American Society of Mechanical Engineers is in the *Engineering Societies Building*, 29 West 39th Street, New York, between Fifth and Sixth Avenues, near the great New York Public Library, and a short distance from and midway between the Grand Central Terminal and the Pennsylvania Station.

The Engineering Societies Building is owned jointly by the American Society of Civil Engineers, the American Institute of Mining Engineers, The American Society of Mechanical Engineers, and the American Institute of Electrical Engineers, the four national engineering societies, known as the Founder Societies. Its erection, and that of the Engineers' Club which adjoins, was made possible through the generosity of Mr. Andrew Carnegie, Honorary Member, who in 1903 contributed \$1,500,000 for the purpose. The Founder Societies purchased the land on which the Engineering Societies Building stands and the Engineers' Club the land for its building.

The Engineering Societies Building was completed and opened in 1907 and was enlarged in 1917. It is sixteen stories high, has a frontage of 115 feet and is 90 feet deep. On the third and fourth floors is an auditorium seating 1,000 persons, and on the fifth floor are three meeting rooms with seating capacity for 500, 250 and 90 persons, respectively, also service rooms for catering, etc. This floor is arranged so that practically the entire space

can be thrown in one large room which is available for formal receptions, and other social features. On several of the other floors are meeting rooms of various sizes, making possible eight or nine simultaneous meetings. The reading room of the Library of the Founder Societies occupies the thirteenth floor. Each of the Founder Societies occupies one floor of the building, and a score of other kindred organizations have offices in it.

The American Society of Mechanical Engineers occupies the eleventh floor of the building. Its rooms include a Council Room, Members' Room, general offices and editorial department. The surroundings are homelike and the headquarters furnish a convenient rendezvous for members and their friends.

MEMBERSHIP

The membership of the Society comprises *Honorary Members, Life Members, Members, Associate-Members, Associates* and *Juniors*, all elected by ballot of the Council.

Application for membership in the four last-mentioned grades is made on a regular form furnished by the Secretary which provides for a statement of the standing and professional experience of the applicant and requires references from several voting members who are personally acquainted with the applicant and his work. The requirements for admission to these grades are given in the following excerpts from the Constitution:

C 9 A *Member* shall be an Engineer or Teacher of Applied Science of thirty-two years of age, or over, and shall have been in active practice of his profession for at least ten years and in responsible charge of important work for five years, and shall be qualified to design as well as to direct engineering work. Fulfilling the duties of a professor of Engineering who is in charge of a department in a college or school of accepted standing shall be taken as an equivalent to an equal number of years of active practice. Graduation from a school of engineering of recognized standing shall be considered as equivalent to two years of active practice.

C 10 An *Associate* shall be thirty years of age or over. He need not be an Engineer, but must have been so connected with some branch of Engineer or Science, or the Arts, or Industries, that the Council will consider him qualified to cooperate with Engineers in the advancement of professional knowledge.

C 11 An *Associate Member* shall be a professional engineer not less than twenty-seven years of age, who shall have been in the active practice of his profession for at least six years, and who shall have had responsible charge of work as principal or assistant for at least one year. Graduation from a school of engineering of recognized reputation shall be considered as equivalent to two years' active practice.

C 12 A *Junior* shall be twenty-one years of age or over. He must have had such engineering experience as will enable him to fill a subordinate position in engineering work, or he must be a graduate of an engineering school.

The initiation fee for Members, Associates, and Associate-Mem-

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bers is \$25 and for Juniors \$15. The annual dues are \$15 for Members, Associates and Associate-Members, \$10 for Juniors for the first six years and \$15 thereafter. Members who have been in active service are exempt from payment of dues for six months after the declaration of peace.

Candidates for admission to the Society are posted in the issue of the monthly publication following the receipt of their applications. A period of forty days is given in which the members may advise the Secretary of any information they may have bearing on the consideration of any candidate. Simultaneously the Secretary communicates with the references. The Membership Committee then meets to consider each application and make recommendation to the Council as to the grade to which candidates who receive their favorable consideration shall be assigned. A list of the candidates, together with the recommendations of the Membership Committee, is then submitted to the Council for vote by letter-ballot. Upon the closing of the ballot by the Council the Secretary advises all successful applicants of their election. The initiation fee and that part of the annual dues from the first of the month following the date of election to the first of October following, are payable on notice of election.

Applications for membership from candidates who may be so situated as not to be personally known to the necessary number of members of the Society may be recommended by the Membership Committee for ballot, after sufficient evidence has been secured from officers or voting members of other engineering societies of like standing to satisfy the committee that the applicant is worthy of admission to membership.

PRIVILEGES

Membership in The American Society of Mechanical Engineers affords the privilege of engaging in a broad work for the advancement of the engineering profession, and establishes a high standard of professional attainment for the individual member. Many advantages accrue from association at the meetings and mutual interchange of information and courtesies.

Every member receives a copy of each of the Society's publications, which include "Mechanical Engineering," issued monthly, the Transactions, published annually, and the Year Book.

Members enjoy the benefits of the joint Library of the Society and its sister organizations, together with, by exchange of courtesies, those of a number of engineering libraries throughout the country, as listed below.

Members are invited to make use of the Society's headquarters for business purposes or their own personal convenience. Rooms

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for private consultation and working alcoves can be provided. Personal mail is received at the headquarters and forwarded.

An engraved *Certificate of Membership* signed by the President and Secretary, and authenticated by the seal of the Society, is issued to members on request.

Members are entitled to wear the official *Badge* of the Society and to use after their names the approved abbreviations denoting their connection with the Society, as follows:

<i>Honorary Members</i>	Hon. Mem. Am. Soc. M. E.
<i>Members</i>	Mem. Am. Soc. M. E.
<i>Associate-Members</i>	Assoc.-Mem. Am. Soc. M. E.
<i>Associates</i>	Assoc. Am. Soc. M. E.
<i>Juniors</i>	Jun. Am. Soc. M. E.

An *Introduction Card* is issued annually to all members in good standing. Besides serving as a means of identification, this also gives entr   to the following engineering societies, etc., with whom an exchange of privileges has been arranged:

American Gas Institute, N. Y.
 American Institute of Electrical Engineers, N. Y.
 American Institute of Mining Engineers, N. Y.
 American Society of Civil Engineers, N. Y.
 Boston Society of Civil Engineers, Boston
 Chemists' Club Library, N. Y.
 Cleveland Engineering Society, Cleveland, Ohio
 Columbia University Library, N. Y.
 Detroit Engineering Society, Detroit, Mich.
 Engineering Association of Nashville, Tenn.
 Engineers' Club of Baltimore, Md.
 Engineers' Club of Dayton, Ohio
 Engineers' Club of Kansas City, Mo.
 Engineers' Club of Philadelphia, Pa.
 Engineers' Society of N. E. Pa., Scranton
 Engineers' Society of Penna., Harrisburg
 Engineers' Society of Western Pa., Pittsburgh
 Institution of Civil Engineers, London, Eng.
 Iron & Steel Institute, London, Eng.
 Louisiana Engineering Society, New Orleans
 New York Railroad Club, New York
 Pacific Northwest Society of Engineers, Seattle
 Providence Engineering Society, Providence, R. I.
 Rochester Engineering Society, Rochester, N. Y.
 Scranton Engineers' Club, Scranton, Pa.
 Technology Club of Syracuse, Syracuse, N. Y.
 The Florida Engineering Society, Gainesville, Fla.
 Western Society of Engineers, Chicago, Ill.

Members are entitled to the service of the *Employment Department* which is conducted under the supervision of the Secretary's office, and to the use of the columns of the *Employment Bulletin* published monthly.

INSIGNIA

The *Seal* of the Society, a facsimile of which appears on the cover of the Year Book, is based on the saying attributed to Archimedes, "Give me where I may stand and I will move the world."



The official *Badge* of the Society is a four-leaf clover design bearing the Society's initials. The badge for Honorary Members, Members, Associate-Members and Associates is in dark blue enamel, with letters in bright gold. The Junior badge is in crimson enamel.

The badge is supplied in two sizes, the large being the size of the cut shown, and the small size about one-fourth this size. Forms of the large size are catch-pin back for wearing on coat lapel or vest, stick pin, and double-faced charm for watch fob or chain. Forms of the small size are catch-pin back and screw back. Prices may be obtained from the Secretary.

CONSTITUTION, ETC.

The affairs of the Society are conducted in accordance with its Constitution, the present form of which has been in effect since 1903. This document provides name, object and government; rules for admission, and requirements for the conduct of the activities of the association. It is supplemented by By-Laws specifying details of administration, and Rules giving methods of procedure.

ORGANIZATION

The affairs of the Society are directed by a *Council* consisting of the President, six Vice-Presidents, nine Managers, the Treasurer, and the five surviving Past-Presidents who last held office. These are selected so as to represent the several geographical sections of the United States.

There are six *Standing Committees of Administration*, of five members each, on Finance, Meetings and Program, Publication and Papers, Membership, Local Sections, and Constitution and By-Laws. The members of these committees are appointed by the President and each chairman has a seat in the Council, without vote.

There are five *Standing Committees*, of five members each, on House, Library, Public Relations, Research and Standardization. The members of these committees are appointed by the President.

Special committees are appointed from time to time to investi-

gate and report upon both administrative and technical subjects, A list of these committees is printed elsewhere in this volume.

The Society is also represented on commissions appointed by the United States Government and its departments, and on committees of other engineering societies and scientific bodies, also in the management of the United Engineering Society, the society which holds the property of the four Founder Societies.

STANDING COMMITTEES OF ADMINISTRATION

The *Finance Committee* has supervision of the financial affairs of the Society, under the direction of the Council. It has charge of making all contracts and other obligations to pay money in the Society's work and the ordering of all expenditures therefor.

The *Meetings and Program Committee* procures professional papers, passes upon their suitability and suggests topical subjects for discussion at the Annual and Semi-Annual Meetings. It also arranges the program and has general charge of the entertainments provided for the members and guests at these meetings.

The *Publication and Papers Committee* reviews all papers and discussion, presented at the meetings and decides which of them shall be printed in the annual Transactions. It also has supervision of the monthly publication, "*Mechanical Engineering*."

The *Membership Committee* receives and scrutinizes all applications for membership, and reports all names to the Council.

The *Local Sections Committee* confers with the officers and members of the local Sections and considers and makes recommendations to the Council upon all matters affecting them.

The *Committee on Constitution and By-Laws* considers and reports on all matters relating to the Constitution, By-Laws and Rules referred to it.

STANDING COMMITTEES

The *House Committee* is charged with the care, management and maintenance of the rooms of the Society and furnishings, the historical relics, the paintings, and objects of art.

The *Library Committee* represents the Society on the Library Board of the United Engineering Society, and functions in all matters relating to the Library.

The *Public Relations Committee* considers and reports to the Council its recommendations covering any matters referred to it bearing on the relations of the engineer as a man of science to the community in which he lives.

The *Research Committee* supervises such research or investigations as may be directed or approved by the Council; corresponds and collaborates with committees of kindred technical,

scientific or other societies; keeps in touch with researches conducted in other countries, which are of value to the engineer, and reports the same quarterly to the Council. It also maintains a system of announcement of results of research, and the trend of investigations, in any field of value to the engineering profession.

The *Standardization Committee* formulates and revises standards of principle and method of procedure in engineering practice; coöperates with like committees of bodies of kindred aim or with members of the Society to the formulation and revision of standards; and appoints, with the approval of the Council, committees of experts in specialized subjects to coöperate with them.

MEETINGS

General Meetings. The Society holds two general meetings each year, the Annual Meeting in New York, beginning the first Tuesday in December, and the Spring Meeting held at such time and place as the Council designates. The last Spring Meeting (1918) was held in Worcester, Mass., and the next (1919) is to be held in Detroit, Mich.

Announcement of the election by membership ballot of the officers of the Society for the ensuing year is made at the Annual Meeting.

The general meetings are under the direction of the Committee on Meetings and Program and addresses made and papers presented are subject to the approval of this committee.

The social features at the general meetings are especially enjoyable and play an important part in the extension of acquaintance. Excursions to points of engineering interest are always arranged, and the program of events is made as attractive as possible.

Section Meetings. Under the provision of the By-laws for Local sections regular meetings are held at frequent intervals at the centers in which sections are established.

The papers for meetings of local sections are subject to the approval of the committee in charge. Papers presented are considered by the Committee on Publication and Papers for insertion in the publications, and by the Committee on Meetings and Program for presentation at the general meetings.

All papers presented at general meetings are considered by the Committee on Publication and Papers for printing in the annual Transactions of the Society.

PROFESSIONAL PAPERS

Papers and discussions of mechanical-engineering interest are invited from members for presentation at meetings, both general

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and section, and contributions are also welcomed from non-members.

Such papers and discussions should contain engineering data of value to the profession, arranged for convenient reference. Matter already accessible, or of a speculative character, or which advocates special interests, is not acceptable. Papers should be submitted in complete form.

Papers for general meetings should be addressed to the Secretary, and papers for meetings of local sections should be addressed to the respective chairmen of the executive committees of the sections.

Papers for presentation at a general meeting are usually published in advance in "Mechanical Engineering" and also in pamphlet form for distribution to those who wish to contribute discussion and also for distribution at the meeting.

Papers presented by Junior Members and by enrolled members of Student Branches are eligible for the award of the Junior and Student Prizes respectively. Particulars are given below.

As the above paragraph indicates, there are three channels open to professional papers presented to the Society — the general meetings, the section meetings and the publications. Each of these channels offer a desirable medium for publicity and discussion, and combinations of the three, determined upon by the coöperative judgment of the respective committees in charge of these activities, ensure the widest possible dissemination of the author's data.

PUBLICATIONS

"Mechanical Engineering," the Journal of the American Society of Mechanical Engineers is published monthly. Subscription to this publication is included in the membership dues.

Features of "Mechanical Engineering," are addresses, papers and discussions presented at general meetings of the Society; addresses, papers, or abstracts with discussion, presented at meetings of Local Sections; announcements and reports upon Society affairs and incidents; reports of activities of Student Branches; employment bulletin; personal notes; a department for contributed discussion of papers previously published, or new matter; members' correspondence department, including suggestions on Society affairs; review of the world's technical press including The Engineering Index; Library notes, and reviews of technical books by experts selected by the Publication Committee.

The *Transactions* of The American Society of Mechanical Engineers, is published about July of each year for the preceding year. It is issued annually, free to members.

The *Transactions* contains, subject to the approval of the Pub-

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lication Committee, the addresses, papers and discussions presented at general meetings of the Society; addresses, papers and discussions presented at local-section meetings and reports of technical committees.

The *Year Book* of The American Society of Mechanical Engineers is issued in February of each year. It contains a list of members, corrected to January first of the same year; together with general information, list of committees, etc. A copy of the *Year Book* is sent free to each member.

The *Engineering Index*, reprinted from "*Mechanical Engineering*," is issued annually, bound in cloth boards. This index contains titles and descriptive data of all the important articles appearing in the world's technical press. It is compiled by a staff of experts under the supervision of the Committee on Publication and Papers, and covers the entire field of engineering.

The Society also compiles annually the *Condensed Catalogues of Mechanical Equipment* containing condensed-catalogue information respecting mechanical equipment, paid for by the firms represented; a classified list of manufacturers, the listing of which is free; and a section containing engineering data from the current publications of the Society. A copy is sent gratis to each member.

Most of the papers presented before meetings of the Society in recent years have been published also as separate pamphlets. A circular giving the titles of such papers and prices is sent to every member periodically. Additional copies may be obtained on request.

ENGINEERING STANDARDS

Soon after its foundation, the Society instituted the procedure of creating *standards of method* and *dimensional standards* and of issuing such standards in printed form for general use. To date upward of fifty such standards, or codes, have been formulated, and some of them have been widely adopted and have become the basis of extensive manufactures.

The consideration of a proposed standard by the Society has usually been inaugurated as the result of its attention being called to diversities of proportions existing in similar pieces produced by different manufacturers; variances in methods of measurement of similar quantities; lack of a uniform basis of expression of certain facts; absence of interchangeability, etc. Sometimes the absence of the standard, and the consequent necessity of it, has been pointed out by a competent authority in a paper embodying a resolution recommending the expediency of the Society considering the matter and reporting. Sometimes an in-

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interested party has addressed the Society requesting an opinion, which has later been made the basis of a standard.

In all cases, upon affirmative action by Council, accepting the duty to formulate the standard, a committee of competent persons, members of the Society and other authorities, has been appointed to frame recommendations. Such committees have always been charged to take into their confidence all interested parties and to submit their findings to such parties for inspection and criticism, before reporting them to the Society.

Reports of standards committees are presented at a general meeting, and are open for discussion by the whole membership and by others interested. Following such discussion, if, by vote, the recommendations still stand, the report (signed by every member of the committee which prepared the standard) is referred to the Council, who receive it and, upon approval by them, order it entered upon the record and printed in *The Journal* and the *Transactions* of the Society.

In cases where the field of action covered by a committee is very wide, viz., such as that of the Boiler Code Committee or the Power Test Committee, it has become the practice, on the acceptance of the committee's report and its subsequent discharge, to appoint a permanent committee to interpret the rules when called upon to do so, to make such revisions as may be found desirable, and to modify the rules to meet such new conditions as arise.

LOCAL SECTIONS

The Constitution provides for the organization of *Local Sections* or groups of all grades of membership for professional or scientific purposes, and the Council encourages members to form such organizations. These sections have such powers as are conveyed in and act under the By-Laws governing local sections.

A State section of the Society is established in Connecticut, with branches at Bridgeport, Hartford, Meriden, New Haven and Waterbury. Local sections are operating at Atlanta, Baltimore, Birmingham, Boston, Buffalo, Chicago, Cleveland, Cincinnati, Detroit, Erie, Indianapolis, Los Angeles, Milwaukee, New Haven, New Orleans, New York, Ontario (Toronto), Philadelphia, St. Louis, Minnesota, San Francisco, Washington, and Worcester. A conference of delegates from these sections is held each year at the Annual Meeting.

In centers in which engineering clubs, local societies or local sections of other national societies are in existence, cordial cooperation is uniformly effected with the Society's section.

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In a center in which members consider it desirable to establish a Local Section, it is necessary to call a preliminary meeting and have all those attending sign a petition to the Council. At the same time, five officers are tentatively chosen to have charge of the section's activities. The petition is forwarded to the Committee on Local Sections, by whom it is upon approval, transmitted to the Council. The Council acts upon the recommendation of the Committee and at the same time appoints the officers usually those chosen by the section. The Council notifies the section of its establishment and establishes an annual appropriation for it to carry on its work; this appropriation is based on a flat sum plus an additional amount for each member within a radius of from 30 to 60 miles of the center.

PROFESSIONAL SECTIONS

The Constitution also provides for the organization of *Professional Sections* for the consideration of any engineering, scientific or professional topic. These organizations may be formed of groups of all grades of members, and they have such powers as are conveyed in and act under the By-Laws governing professional sections.

LIBRARY

The *Library* of The American Society of Mechanical Engineers is combined with those of the American Society of Civil Engineers, the American Institute of Mining Engineers, the American Institute of Electrical Engineers, and the United Engineering Society and all are maintained as the joint Library of the Engineering Societies. This is one of the finest and largest collections of engineering and scientific publications in the world, containing upwards of 125,000 titles, and comprises many rare and valuable reference works not readily accessible elsewhere. Over 1000 technical journals and magazines are regularly received, including practically every important engineering journal in thirty countries in the fields of science and engineering. The Director of the Library will furnish detailed information regarding its activities.

Full privileges of the Library are accorded to members of the Society on presentation of membership card, and also to non-members officially introduced by the Secretary. Reading-room facilities are open to the public at large.

The Library maintains a *Library Service Bureau*, comprising a staff of expert searchers and translators for verifying references, furnishing bibliographies of engineering subjects, original prints,

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abstracts, copies, photographs and translations, and also makes searches for patent purposes, prepares reference cards, etc. This service is confidential and is available through the mails.

When necessary to charge for service, it is at actual cost.

PROFESSIONAL OPPORTUNITIES

The Society acts as an informal medium for bringing members in touch with professional opportunities. This service is personally supervised by the Secretary.

The similar service provided by the secretaries of the other societies in the Engineering Societies Building is, like the Library operation, by a joint bureau under the direct supervision of the Secretary.

Announcements of "Positions Available" as well as abstracts of records of "Men Available" or seeking opportunity for advancement are regularly posted. All insertions are made without charge.

Large numbers of members are constantly being served by this "clearing house" for mechanical-engineering positions.

STUDENT BRANCHES

The Council has recognized the requests of organizations of students in engineering schools to associate themselves with the Society as *Student Branches*, and to date forty-four organizations have made this affiliation. Each branch is governed independently under its own by-laws, subject to certain limitations set by the Council.

A special brochure descriptive of Student Branches may be had upon application to the Secretary.

Members of these Student Branches are entitled to attend the meetings of the Society and its sections, and to secure the publications of the Society at members' rates while at college and for a period of two years after graduation.

A conference of representatives of Student Branches is held each year at the Annual Meeting.

A badge for members of Student Branches has been approved, and a card of introduction is issued to Student Branch members.

To form a Student Branch, an application should be presented to the Council signed by the dean of the school or college, and by a member of the Society who is also a member of the faculty. Forms for this purpose are obtainable from the Secretary. Students regularly enrolled in these branches may subscribe to The Journal at members' rates. Graduates may continue their af-

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affiliation with Student Branches for a period of two years after graduation and should apply for renewal of privileges each year to the Secretary of the Student Branch at the college from which they were graduated.

Papers by enrolled members of Student Branches are eligible for the award of the Student Prize each year.

The list of Student Branches now established follows:

Arkansas, University of, Fayetteville, Ark.
 Armour Institute of Technology, Chicago, Ill.
 Bucknell University, Lewisburg, Pa.
 California, University of, Berkeley, Cal.
 Carnegie Institute of Technology, Pittsburgh, Pa.
 Case School of Applied Science, Cleveland, O.
 Cincinnati, University of, Cincinnati, O.
 (Colo.) State Agri. College, Fort Collins, Colo.
 Colorado, University of, Boulder, Colo.
 Columbia University, New York
 Cornell University, Ithaca, N. Y.
 Georgia School of Technology, Atlanta, Ga.
 Illinois, University of, Urbana, Ill.
 Iowa, State University of, Iowa City, Iowa
 Johns Hopkins University, Baltimore, Md.
 Kansas State Agri. College, Manhattan, Kan.
 Kansas, University of, Lawrence, Kan.
 Kentucky, State University of, Lexington, Ky.
 Lehigh University, South Bethlehem, Pa.
 Leland Stanford Jr. University, Stanford Univ., Cal.
 Louisiana State University, Baton Rouge, La.
 Maine, University of, Orono, Me.
 Massachusetts Inst. of Tech., Boston, Mass.
 Michigan Agricultural College, East Lansing, Mich.
 Michigan, University of, Ann Arbor, Mich.
 Minnesota, University of, Minneapolis, Minn.
 Missouri, University of, Columbia, Mo.
 Nebraska, University of, Lincoln, Neb.
 New York University, New York, N. Y.
 Ohio State University, Columbus, O.
 Oklahoma, University of, Norman, Okla.
 Oregon Agricultural College, Corvallis, Ore.
 Pennsylvania State College, State College, Pa.
 Pittsburgh, University of, Pittsburgh, Pa.
 Polytechnic Institute of Brooklyn, Brooklyn, N. Y.
 Purdue University, Lafayette, Ind.
 Rensselaer Polytechnic Institute, Troy, N. Y.
 Stevens Institute of Technology, Hoboken, N. J.
 Syracuse University, Syracuse, N. Y.
 Throop College of Technology, Pasadena, Cal.
 Tufts College, Tufts College, Mass.
 Virginia Polytechnic Institute, Blacksburg, Va.
 Washington University, St. Louis, Mo.
 Washington, University of, Seattle, Wash.
 Wisconsin, University of, Madison, Wis.
 Worcester Polytechnic Institute, Worcester, Mass.
 Yale University, New Haven, Conn.

PRIZES FOR TECHNICAL PAPERS

Through the generosity of a member, there have been established two funds of \$1000 each, the income from each of which is to be awarded for the best paper by a Junior member of the Society and to such two enrolled members of any Student Branch as contribute the best papers.

Such an award offers an incentive to the young engineer to undertake original work and is in line with the practice of many other societies.

The following are extracts from the rules approved by the Council with reference to the distribution of these prizes, those governing the Junior papers having been formulated by the Committee on Award of Prizes for Juniors, and those governing Student papers by the Committee on Student Branches:

JUNIOR PRIZE

(a) The competition shall be restricted to Junior Members of the Society in good standing.

(b) The prize shall be awarded for the best paper, adjudged from the standpoints of originality of matter, applicability (practical or theoretical), value as a contribution to mechanical-engineering literature, logical development of contents, conclusiveness, completeness and conciseness.

(c) Papers to be eligible for competition, must have been produced by their authors without assistance, and must not have been previously contributed to nor published by any other society or technical publication, in whole or in part. Presentation before a meeting of, or publication by this Society during the year of the competition, shall not be construed as making a paper ineligible.

(d) These rules may be modified by the Council, without notice.

PRIZES FOR STUDENT-BRANCH MEMBERS

(a) The competition shall be restricted to enrolled members of the Student Branches of the Society in good standing.

(b) The prizes shall be awarded for the two best papers, adjudged from the standpoints of applicability (practical or theoretical), value as a contribution to mechanical engineer literature, completeness, originality of matter, and conciseness.

(c) Papers to be eligible for competition must have been produced by their authors without assistance and must not have been previously contributed to nor published by any other society or technical publication in whole or in part. Presentation before a meeting of, or publication by this Society or by any of its Student Branches during the year of the competition shall not be construed as making a paper ineligible.

JOHN FRITZ MEDAL

The John Fritz Medal, established in 1902, on the eightieth birthday of John Fritz, by professional associates and friends as a means of perpetuating the memory of his achievements in industrial progress, is awarded annually for notable scientific or industrial achievement, irrespective of nationality or sex.

The award is made by a board composed of sixteen members, four from each of the American Society of Civil Engineers, the American Institute of Mining Engineers, The American Society of Mechanical Engineers, and the American Institute of Electrical Engineers.

Awards of this medal have been made since 1902 to John Fritz, Hon. Mem. Am. Soc. M. E.; Lord Kelvin; George Westinghouse, Hon. Mem. Am. Soc. M. E.; Alexander Graham Bell; Thomas Alva Edison, Hon. Mem. Am. Soc. M. E.; Charles T. Porter, Hon. Mem. Am. Soc. M. E.; Alfred Noble, Mem. Am. Soc. M. E.; Sir William H. White, Hon. Mem. Am. Soc. M. E.; Capt. Robert W. Hunt, Past-President Am. Soc. M. E.; Prof. John E. Sweet, Hon. Mem. Am. Soc. M. E.; Dr. James Douglas; Prof. Elihu Thomson; Prof. Henry Marion Howe; and Maj.-Gen. G. W. Goethals.

WAR ACTIVITIES OF THE SOCIETY

Early in the war the Society, in common with other engineering societies, tendered its services to the President of the United States. This offer was promptly accepted, and as the war developed the Society responded to the many calls which came to it.

One of its earliest contributions was through representation on the U. S. Naval Consulting Board and its former Committee on Industrial Preparedness, which conducted the great industrial census whereby data were secured regarding all industrial plants in the United States doing an annual business in excess of \$100,000. The Naval Consulting Board now acts as a board of inventions which passes upon the merits of new devices brought to the attention of the Government through various channels.

Another early contribution was in coöperation with the Military Engineering Committee, organized in New York for the purpose of arousing engineers to the necessity for preparedness and of instructing them in military tactics. Lectures were given in the Engineering Societies' building to over 3000 men and in the preparedness parade 10,000 engineers participated, and these successes were duplicated in other centers. Recruiting was actively taken up, for which purpose the Society's rooms were freely used, and the famous regiment, the Eleventh Railway Engineers, was organized.

The work of the National Research Council, organized at the request of President Wilson by the president of the National Academy of Sciences, is extremely important, dealing with problems such as submarine detection, nitrate production, gas warfare, etc. One of its committees is the Committee on Engineering, on which the Society is officially represented. The Journal is also supply-

ing to the Technical Information Bureau of the Research Council a regular service of engineering data from the engineering periodicals of the world.

As an active member of the Engineering Section of the Advisory Commission of the Council of National Defense, the Society participated in several meetings which led to definite and constructive assistance in the manufacture of munitions.

One of the most successful undertakings of the Society was that of its Engineering Resources Committee in classifying the membership and furnishing specialists for the numerous demands of the Government and the industries generally. A questionnaire to the membership brought in over 6000 replies, all of which were collated and indexed in the most thorough manner. This committee supplied the names of more than 6000 engineers and assistants for a wide variety of positions to the many departments and divisions of the United States Government in connection with the war, and was recognized as the most important single bureau in the United States for the furnishing of technical men.

In the matter of fuel conservation the Society has been very active through its membership on the Fuel Conservation Committee of the Engineering Council, in coöperating with the Fuel Administration at Washington, and by service of its members on Commissions in different states.

Action with respect to munitions and gages passed at the Society's meeting in Cincinnati in 1917 resulted in a conference at Washington at which the heads of the Army, Navy and other Departments were present and further action was taken which resulted in having certification of all gages at one place, thus tending to insure uniformity of product. Later it was decided this would be undertaken by the Bureau of Standards in Washington with branches at various industrial centers. These have been established at the Engineering Societies Building in New York, at Cleveland, and at other centers.

An important development was the organization of the Engineering Council to provide coöperation between engineering societies in matters of common interest, particularly in relation to the public. War activities were conducted by several committees, including the American Engineering Service Committee, the Fuel Conservation Committee, and the War Committee of Technical Societies, the latter for stimulating inventions among engineers in weapons and apparatus for war.

One of the most valuable war activities of the Society was in connection with the readjustment of industries for war work, for which purpose a committee was appointed, with representatives

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in different parts of the country, selected through the Local Sections of the Society. This involved the establishment of a regional system for surveying the industries of the country in coördination with the Resources and Conversion Section of the War Industries Board, and a Central Committee of three, acting in conjunction with the regional committees as a clearing house for problems.

The Society was invited to send delegates to the Joint Conference in London on Air Craft Standardization in London, and sent Mr. James Hartness, Past-President of the Society, with Prof. W. F. Durand as an associate representative. These delegates were also empowered to take up with the British Engineering Standards Association the standardization of screw threads.

Past Officers

ALEXANDER L. HOLLEY, Chairman of the Meeting for Organization of The American Society of Mechanical Engineers.....Died January 29, 1882

Presidents

1880-1882	R. H. THURSTON.....	Died October 25, 1903
1883	E. D. LEAVITT.....	Died March 11, 1916
1884	JOHN E. SWEET.....	Died May 8, 1916
1885	J. F. HOLLOWAY.....	Died September 1, 1896
1886	COLEMAN SELLERS.....	Died December 28, 1907
1887	GEORGE H. BABCOCK.....	Died December 16, 1893
1888	HORACE SEE.....	Died December 14, 1909
1889	HENRY R. TOWNE.....	New York, N. Y.
1890	OBERLIN SMITH.....	Bridgeton, N. J.
1891	ROBERT W. HUNT.....	Chicago, Ill.
1892	CHARLES H. LORING.....	Died February 5, 1907
1893-1894	ECKLEY B. COXE.....	Died May 13, 1895
1895	E. F. C. DAVIS.....	Died August 6, 1895
1895	CHARLES E. BILLINGS.....	Hartford, Conn.
1896	JOHN FRITZ.....	Died February 13, 1913
1897	WORCESTER R. WARNER.....	Cleveland, O.
1898	CHARLES WALLACE HUNT.....	Died March 27, 1911
1899	GEORGE W. MELVILLE.....	Died March 17, 1912
1900	CHARLES H. MORGAN.....	Died January 10, 1911
1901	S. T. WELLMAN.....	Cleveland, O.
1902	EDWIN REYNOLDS.....	Died February 19, 1909
1903	JAMES M. DODGE.....	Died December 4, 1915
1904	AMBROSE SWASEY.....	Cleveland, O.
1905	JOHN R. FREEMAN.....	Providence, R. I.
1906	F. W. TAYLOR.....	Died March 21, 1915
1907	FREDERICK R. HUTTON.....	New York, N. Y.
1908	M. L. HOLMAN.....	St. Louis, Mo.
1909	JESSE M. SMITH.....	New York, N. Y.
1910	GEORGE WESTINGHOUSE.....	Died March 12, 1914
1911	E. D. MEIER.....	Died December 15, 1914
1912	ALEX. C. HUMPHREYS.....	New York, N. Y.
1913	W. F. M. GOSS.....	Urbana, Ill.
1914	JAMES HARTNESS.....	Springfield, Vt.
1915	JOHN A. BRASHEAR.....	Pittsburgh, Pa.
1916	D. S. JACOBUS.....	New York, N. Y.
1917	IRA N. HOLLIS.....	Worcester, Mass.
1918	CHARLES T. MAIN.....	Boston, Mass.

NOTE.—According to the Constitution, Article C 26, the five surviving Past Presidents who last held the office shall be members of the Council, with all the rights, privileges and duties of the other members of the Council.

Honorary Members in Perpetuity

ALEXANDER LYMAN HOLLEY, Deceased Founder of the Society.
 JOHN E. SWEET, Deceased Founder of the Society.
 HENRY ROSSITER WORTHINGTON, Deceased Founder of the Society.

Honorary Members

	ELECTED	DIED
HORATIO ALLEN	1880	1889
JOHN A. F. ASPINALL	1911	.....
SIR WM. ARROL	1905	1913
BENJAMIN BAKER	1886	1907
JOHANN BAUSCHINGER	1884	1893
HENRY BESSEMER	1891	1898
FREDERICK BRAMWELL	1884	1904
JOHN A. BRASHEAR	1908	.....
GUSTAVE CANET	1900	1908
ANDREW CARNEGIE	1907	.....
DANIEL K. CLARK	1882	1896
RUDOLPH CLAUSIUS	1882	1888
JOHN COODE	1889	1892
PETER COOPER	1882	1883
CARL GUSTAV PATRICK DE LAVAL	1912	1913
RUDOLPH DIESEL	1912	1913
JAMES DREDGE	1886	1906
V. DWELSHAUVERS-DERY	1886	1913
THOMAS ALVA EDISON	1904	.....
GUSTAVE EIFFEL	1889	.....
SIR DOUGLAS FOX	1900	.....
JOHN FRITZ	1900	1913
GEORGE W. GOETHALS	1917	.....
F. GRASHOF	1884	1893
O. HALLAUER	1882	1883
CHAS. H. HASWELL	1905	1907
GUSTAV HERRMANN	1884	1907
G. A. HERN	1882	1890
JOSEPH HIRSH	1889	1901
BENJAMIN FRANKLIN ISHERWOOD	1894	1915
HENRI LEAUTE	1891	1918
ERASMUS D. LEAVITT	1915	1916
ANATOLE MALLET	1912	.....
CHARLES H. MANNING	1913	.....
GEO. W. MELVILLE	1910	1912
OSKAR VON MILLER	1912	.....
CHAS. T. PORTER	1890	1910
EDWARD J. REED	1882	1906
FRANZ REULEAUX	1882	1905
HENRI SCHNEIDER	1882	1898
CHARLES M. SCHWAB	1918	.....
C. WILLIAM SIEMENS	1882	1883
AMBROSE SWASEY	1916	.....
JOHN E. SWEET	1904	1916
HENRI TRESCA	1882	1885
WM. CAWTHORNE UNWIN	1898	.....
FRANCIS A. WALKER	1886	1897
SIR WILLIAM H. WHITE	1900	1913
GEORGE WESTINGHOUSE	1897	1914
ORVILLE WRIGHT	1918	.....
ALFRED FERNANDEZ YARROW	1914	.....

THE HISTORY OF THE UNITED STATES

CHAPTER I

The first chapter of the history of the United States is devoted to the early years of the nation. It begins with the discovery of the continent by Christopher Columbus in 1492, and continues through the early years of settlement and the struggle for independence. The chapter covers the period from the first European contact with the Americas to the signing of the Declaration of Independence in 1776. It discusses the early exploration of the continent, the establishment of the first colonies, and the growth of the American people. The chapter also touches upon the early years of the nation's development, including the founding of the government and the early years of the republic.

THE AMERICAN SOCIETY OF
MECHANICAL ENGINEERS

LIST OF MEMBERS

ARRANGED ALPHABETICALLY
ALL GRADES

DIRECTIONS FOR USING THE LIST

Both business and home addresses will be found in the Alphabetical List (p. 3). Where two addresses are given, the first is the business address. The words "and *for mail*" are used when the preferred address for mail is not the first address.

The date after each name in the Alphabetical List is the date of election to membership. Where no grade accompanies the date, full membership is understood. Where two dates are given, the first indicates election and the second indicates promotion; if the second date is not accompanied by grade, promotion to full membership is understood.

The list contains the names of members of all grades, including Honorary Members, Members, Associates, Associate-Members, and Juniors.

For business addresses of members residing in any particular city or town, consult the Geographical List (issued as a separate publication; copy mailed on request), which is arranged alphabetically by countries, states, cities and names of members.

ALPHABETICAL LIST OF MEMBERS

ALL GRADES

*Members in military or naval service are indicated thus * in so far as information has been received at Society headquarters. Members in government service who are not so indicated are requested to advise the Secretary so that the Society's records may be complete.*

- AAGAARD, Arthur H. (Junior, 1916), 6647 Perry Ave., Chicago Ill.
- ABBE, Roy H. (Junior, 1915), Asst. Supt., Towle Mfg. Co., and *for mail*, 176 High St., Newburyport, Mass.
- ABBEY, Alfred B. (Associate-Member, 1917), Constr. Engr. Producing Dept., Stand. Oil Co. of Cal., Drawer J, and *for mail*, 438 N. Bright Ave., Whittier, Cal.
- ABBEY, Frank H. (1916), Mgr. Boston Office, Gifford-Wood Co., 51-52 N. Market St., Boston, and *for mail*, 24 Warwick Rd., Belmont, Mass.
- ABBOTT, Charles C. (1905). M. E., Gen. Elec. Co., 240 Second St., Pittsfield, Mass.
- *ABBOTT Edward R. (Associate-Member, 1914), Capt., Chem. Warfare Serv., U. S. A., Gas Defense Div., Long Island City Lab., L. I., and *for mail*, 847 St. Nicholas Ave., New York, N. Y.
- ABBOTT, Frederick B. (1904), 419 Ninth St., Brooklyn, N. Y.
- ABBOTT, Henry W. (Junior, 1913), Ass't. Supt. Hull Constr., Fore River Plant, Bethlehem Shipbldg., Corp., Ltd., and *for mail*, 35 Spear St., Quincy, Mass.
- ABBOTT, William L. (1891), Manager, 1907-1910; Ch. Operating Engr., Commonwealth Edison Co., 72 W. Adams St., and 4616 Beacon St., Chicago, Ill.
- ABEL, John (Associate, 1914), Treas., Factory Mgr., Mersereau Metal Bed Co., 278 Johnston Ave., and *for mail*, 75 Fairview Ave., Jersey City, N. J.
- ABELL, Ashel C. (Associate, 1918), Asst. Prof. of Mech. Engrg., Washington State College, and *for mail*, Box 266, College Station, Pullman, Wash.
- ABELL, Harry C. (1900; 1902), Emerson McMillin & Co., 120 Broadway, and 417 Riverside Drive, New York, N. Y.
- ABELS, Aloysius J. (Associate, 1918), Pres., A. J. Abels Co., Inc., 610 Iroquois Bldg., Buffalo, N. Y.
- ABERCROMBIE, James H. (1901), London Rep., A. F. Craig & Co., Ltd., Caledonia Eng. Wks., and *for mail*, Care of The Farmers Loan & Trust Co., 16 Pall Mall E. London S. W. 1, England.
- *ABERNETHY, Afred A. (Junior, 1918), C. M. M., U. S. N. R. F., U. S. N. Steam Engrg. Sch., Hoboken, N. J., and *for mail*, 132 Marquette Ave., South Bend, Ind.
- *ABERNETHY, W. K. (Associate-Member, 1917), 2nd Lieut., Air Serv., U. S. A., A. E. F., France; Central Sta. Steam Co., 704 E. Woodbridge St., Detroit, Mich., and *for mail*, 132 Marquette Ave., South Bend, Ind.
- ABORN, Geo. P. (1889; 1892), Mgr., Blake & Knowles Steam Pump Wks., 265 Third St., East Cambridge, and *for mail*, 11 Englewood Ave., Brookline, Mass.
- ABRAMS, Frank W. (1915; Associate Member 1918), Asst. Supt., Eagle Wks., Standard Oil Co. of N. J., Claremont and 2540 Boulevard, Jersey City, N. J.

- ABRAMS, Herbert T. (1901). Mgr. Pump and Calyx Drill Depts., Ingersoll-Rand Co., 11 Broadway, New York, N. Y., and *for mail*, 160 Cleveland St., Orange, N. J.
- ABRAMS, Lawrence B. (Junior, 1918), Engr., Ingersoll Rand Co., Commercial Natl. Bank Bldg., and *for mail*, 2927 Gilden St., Washington, D. C.
- ACCOLA, Edward C. (Junior, 1918), Methods Engr., Western Elec. Co., Hawthorne Station, and *for mail*, 5930 W. Erie St., Chicago, Ill.
- ACHESON, Albert R. (1913). Prof. M. E., Syracuse Univ., and *for mail*, 852 Ostrom Ave., Syracuse, N. Y.
- ACHESON, Edward G. (1918), Pres., Acheson Corp., 35 W. 42nd St., New York, N. Y.
- ACHUFF, Charles E. (Associate, 1918), Branch Mgr. & Sales Engr., Mathews Gravity Carrier Co., Ellwood City, and *for mail*, 141 Milk St., Boston, Mass.
- ACKART, E. G. (1917), Supv. Engr., E. I. du Pont de Nemours & Co., de Pont Bldg., and *for mail*, 1405 Rodney St., Wilmington, Del.
- ACKER, Kemp G. (Junior, 1913), 468 E. State St., Sharon, Pa.
- ACKERMAN, Albert A., Jr. (1917), Ch. Draftsman, The Singer Mfg. Co., and *for mail*, 28 De Hart Pl., Elizabeth, N. J.
- ACKERMAN, Frank (Junior, 1912), Wks. Mgr., Curtis & Co., Mfg. Co., and *for mail*, 1282 Hamilton Ave., St. Louis, Mo.
- ACKERMAN, George E. (1913), Member of Firm, Holland, Ackerman & Holland, Cons. Engrs., Chicago, Ill., and Ann Arbor, Mich., and *for mail*, 1017 Wenonah Ave., S., Oak Park, Ill.
- ACKERMAN, Henry C. (Junior, 1916), Mech. Supt., Gorham Mfg. Co., 564 Eddy St., Providence, R. I.
- ACKERMAN, J. Walter (1914), Ch. Engr., Supt., Auburn Water Wks., 7 Exchange St., and 26 Nelson St., Auburn, N. Y.
- ACKERMANN, William H. (Junior, 1918), Supt., Bayonne Bolt & Nut Co., 2nd & Trask Ave., Bayonne, N. J., and *for mail*, 25 Waters Ave., West New Brighton, S. I., N. Y.
- ACKLAND, H. Baldwin (Associate-Member, 1913), Engr., Westinghouse Church, Kerr & Co., 37 Wall St., New York, and 636 E. 21st St., Brooklyn, N. Y.
- ADAIR, Craig (Associate-Member, 1915), 2nd V. P., Penn Seaboard Steel Corp., 1417 Sansom St., and 6113 Oxford St., Philadelphia, Pa.
- ADAM, Maurice (Junior, 1917), Asst. Supt., Cuba Cane Sugar Corp., Apartado 1270, Habana, and Central Moron, Pina, Camaguey Province, Cuba.
- ADAM, William J. (1912), Ch. Engr., The Linol Corp., Irvington, N. J., and *for mail*, 49 Condict Ave., Jersey City, N. J.
- *ADAMS, Carrol E. (Junior, 1916), 2nd Lieut. Heavy Art., A. E. F., and *for mail*, 228 Broadway, Pawtucket, R. I.
- ADAMS, Clarence S. (Associate-Member, 1916), Ch. Draftsman, Chino Copper Co., and *for mail*, P. O. Box 13, Hurley, N. M.
- ADAMS, Clyde L. (Associate-Member, 1917), Engr., Tractor Branch, Moline Plow Co., Rock Island, and *for mail*, 757 25th St., Moline, Ill.
- ADAMS, Comfort A. (1917), Abbott and James Lawrence Prof. of Engrg., Mass. Inst. of Tech., Harvard Univ., and 13 Farrar St., Cambridge, Mass.
- ADAMS, Conrad R. (Associate-Member, 1914), Wks. Mgr., Sibley Mch. Tool Co., E. Tutt St., and 1435 S. Michigan St., South Bend, Ind.
- ADAMS, Dan (1914), Head of Steam Engrg. Dept., Lockwood, Greene & Co., 60 Federal St., Boston, Mass.
- ADAMS, Earl E. (Associate-Member, 1917), Sales Engr., The Smith Gas Engrg. Co., Dayton, O.

- ADAMS, Edward T. (1899), Doble Lab., Steam Automobile Engrs., 350 Folsom St., and *for mail*, 954 Ashbury St., San Francisco, Cal.
- ADAMS, Ernest H. (1918), Mech. & Elec. Engr., Continental Can Co., 5401 W. 65th St., Chicago, Ill., and *for mail*, 2038 Park Ave., Baltimore, Md.
- ADAMS, Harry H. (1912), Supt. Shops and Equip., Chicago Surface Lines, 1165 N. Clark St., Chicago, Ill.
- ADAMS, Henry (1899), Cons. Engr., 1268-1269 Calvert Bldg., and 2038 Park Ave., Baltimore, Md.
- *ADAMS, James F. (Associate-Member, 1915), Capt., U. S. A., Hdqrs., 1107 Broadway and *for mail*, Apt. 41, 151 Nagle Ave., New York, N. Y.
- ADAMS, Kilburn E. (1908; 1917), Head of Incandescent Lamp Div., The Edison Elec. Ill. Co. of Boston, 39 Boylston St., Boston, and *for mail*, 55 Manning St., Needham, Mass.
- ADAMS, Louis W. (1917), Ashland Iron & Mining Co., Ashland, Ky.
- ADAMS, Lyman D. (Associate-Member, 1917), Mgr. Mill Dept., The Wallace Barnes Co., and 101 Stearns St., Bristol, Conn.
- *ADAMS, Porter H. (Junior, 1916), Ensign, U. S. N. R. F., Aide to the Comdg. Officer, U. S. Nav. Air Sta., Chatham, Mass.
- *ADAMS, Ralph L. (Associate-Member, 1918), 1st Lieut., Engrg. Div. Motor Transport Corps, 356 Union Sta., Washington, D. C., and *for mail*, 813 S. St. Bernard St., Philadelphia, Pa.
- ADAMS, Robert B. (1916), Supt., A. J. Savage Munitions Co., 326 W. Market St., San Diego, Cal.
- *ADAMS, Walter H. (1908, 1912), Capt. Engrs., U. S. A., Staff Duty, Office of Ch. of Engrs., Washington, D. C., and *for mail*, 306 N. Columbus St., Alexandria, Va.
- ADAMSON, Arthur R. (Associate-Member, 1917), Asst. Genl. Supt., Baker Iron Wks., Los Angeles, and 1916 North St., Andrews Pl., Hollywood, Cal.
- ADAMSON, Cecil F. (Junior, 1906), Prop., Adamson Mfg. Co., East Palestine, O.
- ADAMSON, Daniel (1901), Partner, Jos. Adamson & Co., and *for mail*, Longlands, Hyde, Cheshire, England.
- *ADAMSON, Keith F. (Associate-Member, 1914), Capt. Inf., U. S. R., Am. Exped. Forces, and *for mail*, 333 Bryn Mawr Ave., Cynwyd, Pa.
- ADDICKS, Lawrence (1910), Cons. Engr., Member Naval Consulting Bd., 6 Church St., New York, N. Y. and 518 N. Broad St., Elizabeth, N. J.
- ADELMAN, Arthur (1916), Tech. Asst. to Chief of Art. Amm. Sec., Ord. Office, War Dept., and *for mail*, 2409 N. Capitol St., Washington, D. C.
- ADGATE, Frederick W. (1912), West. Mgr., The Foundation Co., 209 S. La Salle St., Chicago, and Wheaton, Ill.
- ADLER, Alphonse A. (1907; 1912), Asst. Prof. Mech. Drawing and Design, Poly. Inst. of Brooklyn, 85 Livingston St., and 201 Warren St., Brooklyn, N. Y.
- AEBERLI, Adolf (1916), Ch. Hyd. Engr., Canadian Allis-Chalmers, Ltd., 212 King St., and 27 Keele St., Parkdale, Toronto, Ont., Canada.
- AFFLECK, Bertram L. (Associate-Member, 1917), Asst. Expt., Indust. Training, Emergency Fleet Corp., Washington, D. C., and *for mail*, 316 Huntington Ave., Boston, Mass.
- AFFLECK, Myron H. S. (Associate-Member, 1916), Engr., Rumford Chem. Wks., Rumford, R. I.
- AGNER, Owen B. (Junior, 1912), Genl. Mgr., Loomis & Hart Furniture Co., Pine and Water Sts., and *for mail*, 8 Ferger Apts., Chattanooga, Tenn.

- AGNEW, James R. (Junior, 1916), Ch. Engr., Municipal Power Plant, City of Clarksdale, 306 Sharkey Ave., Clarksdale, Miss.
- AHARA, Edwin H. (1906), Mgr. of Mfg., Dodge Mfg. Co., and 716 Lincoln Highway E., Mishawaka, Ind.
- AHARA, George V. (1913), M. E. in charge Gas Engine Design and Test, The Canadian Fairbanks-Morse Co., Ltd., 1387 Bloor St. W., and *for mail*, 864 Dovercourt Rd., Toronto, Ont., Canada.
- AHERN, J. F. (Associate-Member, 1918), Mgr., Fairbanks-Morse & Co., 630 W. Bay St., Jacksonville, Fla.
- AHLEN, William (1912), Ch. Engr., Duquesne Steel Wks., Carnegie Steel Co., Duquesne, Pa.
- AHLQVIST, Harald (1909), Engr., B. C. Dept., Solvay Process Co., and 8 Brattle Rd., Syracuse, N. Y.
- AHRNKE, H. P. (1902; 1912), Asst. Mgr., Davis-Watkins Dairymen's Mfg. Co., 1513 Wazee St., Denver, Colo.
- AICHBERGER, Carl (1917), M.E., The Sandusky Pdy. & Mch. Co., Sandusky, Ohio.
- AICHER, Alfred L. (Junior, 1917), M. E., Nelson Valve Co., Chestnut Hill, and *for mail*, 3917 N. Percy St., Philadelphia, Pa.
- AIKEN, Charles W. (1903), Secy., Treas., Houchin-Aiken Co., 113-123 53d St., and *for mail*, 2304 Newkirk Ave., Brooklyn, N. Y.
- AIREY, J. (Associate-Member, 1915), M. M., R. & V. Wagner Ord. Co., East Moline, and *for mail*, 2709 16th St., Moline, Ill.
- AKERLIND, G. A. (1909), Mchy. Insp. Testing Div., Dept. of Pub. Wks., 3100 S. Sacramento Ave., and 536 Rush St., Chicago, Ill.
- *AKERLOW, Carl G. W. (Associate-Member, 1918), Capt., Q. M. C., U. S. A., General Hospital, No. 21, Denver, Colo.
- AKERLUND, Gustaf (1913), Senior Member, Akerlund & Semmes, 17 Battery Pl., New York, N. Y.
- AKERLY, Harold E. (Associate-Member, 1918), Asst. to Genl. Mgr., Eastman Kodak Co., 343 State St., and *for mail*, 5 Culver Rd., Rochester, N. Y.
- AKERS, Axel (1917), Forge Planting Engr., Symington Chicago Corp., 74th & Ashland Ave., and *for mail*, 7357 Vernon Ave., Chicago, Ill.
- AKIMOFF, N. W. (1916), Mfr., Balancing Mchy., 1013 Harrison Bldg., Philadelphia, Pa.
- ALBERGER, Alvan H. (1915), Engr., Hercules Engrg. Corp., 501 5th Ave., New York, N. Y.
- ALBERT, Calvin D. (1911), Prof. Mch. Design, Cornell Univ., and *for mail*, 2 Reservoir Ave., also 7 South Ave., Ithaca, N. Y.
- ALBERTSON, Dan J. (1914), Civ. and Industrial Engr., Mill Arch., 305 E. Main St., Kalamazoo, Mich.
- ALBIN, Leland D. (Associate, 1915), Genl. Sales Mgr., Ingersoll-Rand Co., 11 Broadway, New York, N. Y., and 444 W. 7th St., Plainfield, N. J.
- ALBRECHT, Albert J. (Associate-Member, 1918), Draftsman, Midvale Steel & Ordnance Co. (Artillery Dwg. Rm.), Nicetown, and *for mail*, 1716 N. Edgewood St., Philadelphia, Pa.
- ALBRECHT, Otto (1884), M. E., Tindel Morris Co., Eddystone, Delaware Co., and *for mail*, 1405 N. 15th St., Philadelphia, Pa.
- ALBRIDGE, Kenneth P. (Associate-Member, 1917), Asst. Ch. Engr., Dort Motor Car Co., Flint, and *for mail*, 1019 Church St., Ann Arbor, Mich.
- ALBRIGHT, H. Fleetwood (1903), V. P., Genl. Supt., West. Elec. Co., Inc., Hawthorne Sta., Chicago, and 507 N. Euclid Ave., Oak Park, Ill.
- ALCOCK, George W. (Associate, 1915), Engrg. Dept., Am. Loco. Co., 30 Church St., New York, and *for mail*, 220 Ovington Ave., Brooklyn, N. Y.

- ALDCORN, Thomas (Associate, 1903), Genl. East. Sales Mgr., Chicago Pneu. Tool Co., 52 Vanderbilt Ave., New York, N. Y., and 253 Stuyvesant Ave., Lyndhurst, N. J.
- ALDEN, Clarence T. (1917), Mgr., Edison Elec. Light & Power Co., 24 E. Main St., Amsterdam, N. Y.
- ALDEN, Frederick Arthur (1912, 1913), Div. Engr., Sea Serv. Bureau, U. S. Shipping Bd., Boston, and *for mail*, 6 Carver Rd., Watertown, Mass.
- ALDEN, George I. (1880), Vice-President, 1891-1893; Pres., Norton Co., and Norton Grinding Co., and *for mail*, 48 Queen St., Worcester, Mass.
- *ALDEN, Herbert W. (1908), Lieut. Col., Ord. Dept., Washington, D. C., and *for mail*, 344 W. 72nd St., New York, N. Y.; V. P., The Timken-Detroit Axle Co., Clark Ave. and 21 Edison Ave., Detroit, Mich.
- ALDEN, John D. (1912), Bronx Gas & Elec. Co., Walker and Frisbie Ave., and *for mail*, 1520 Overing St., Westchester, New York, N. Y.
- *ALDEN, John L. (Junior, 1914), 1st Lieut., Chem. Serv. Sec., N. A., A. E. F., France, and *for mail*, 119 Exchange St., Sycamore, Ill.
- ALDEN, Roger O. (Junior, 1915), Industrial Control Dept., Genl. Elec. Co., Schenectady, and *for mail*, 59 Vley Rd., Scotia, N. Y.
- ALDRICH, Chester S. (Junior, 1909), Treas., Gray-Aldrich Co., Inc., 33 Commercial Wharf, Boston, and 47 Mt. Bowdoin Terrace, Dorchester, Mass.
- ALDRICH, Guy W. (Junior, 1913), Draftsman, Westinghouse, Church, Kerr & Co., Inc., 37 Wall St., New York and *for mail*, Eltingville, S. I., N. Y.
- ALDRICH, Herbert L. (Associate, 1900), Pres. & Treas., Aldrich Publishing Co., 6 E. 39th St., and *for mail*, 146 Central Park West, New York, N. Y.
- ALDRICH, John G. (1901), Pres., N. E. Butt Co., 304 Pearl St., and *for mail*, 223 Bowen St., Providence, R. I.
- ALDRICH, William S. (1892), Life Member; Am. Bridge Co., and *for mail*, 268 Chase St., Gary, Ind.
- ALDWORTH, Edward H. (Associate-Member, 1914), Asst. Ch. Engr., R. Martens & Co., Inc., 24 State St., New York, and *for mail*, 123 Kenmore Pl., Flatbush, Brooklyn, N. Y.
- ALEXANDER, Charles A. (1899; 1905), Pres., Treas., The Alexander, Chumay & Utz Co., 16 State St., Rochester, and Cloyer Rd., Brighton Sta., Rochester, N. Y.
- ALEXANDER, Charles A. (1918), Supt., Steel Wks., Am. Tube & Stamping Co., Bridgeport, Conn.
- ALEXANDER, Durand C., Jr. (1914), Pres., The Quasi-Arc Weldtrode Co., Inc., 2897 Atlantic Ave., Bklyn., and *for mail*, 330 W. 102nd St., New York, N. Y.
- ALEXANDER, Edward E. (Associate, 1908), Plant Engr., Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
- ALEXANDER, Harry (1895; 1899; 1901), Pres. Harry Alexander, Inc., 18-20 W. 34th St., New York, and Great Neck, N. Y.
- ALEXANDER, Louis A. (1901), Genl. Stores Keeper, Genl. Supt.'s Office, Am. Brass Co., and *for mail*, P. O. Box 514, Waterbury, Conn.
- *ALEXANDER, Ludwell B. (1905; 1911), 1st Lieut., U. S. Air Serv., A. P. O. 702, A. E. F., France.
- ALEXANDER, Magnus W. (1906) Cons. Engr., Genl. Elec. Co., West Lynn, and Hotel Carlton, 1138 Boylston St., Boston, Mass.
- *ALEXANDER, Walter P. (1913), Capt. Insp. Div., Ord. Dept., France, and *for mail*, 2 Boody St., Portland, Me.
- ALFORD, Leon P. (1900; 1908), Ch. of Staff, Industrial Management, 6 E. 39th St., New York, N. Y., and 45 Irving St., Montclair, N. J.
- ALGER, Harley C. (Junior, 1908), M.E., R. R. Donnelley & Sons Co.,

- 21st & Calumet Ave., and *for mail*, 5318 S. Woodlawn Ave., Chicago, Ill.
- ALLAART, Cornelius J. (Associate, 1913), Exper. Designer, Pierce-Arrow Motor Car Co., and *for mail*, 136 Winspear Ave., Buffalo, N. Y.
- ALLAN, Charles D. (1917), Cons. Engr., 1907 S. Michigan Blvd., and *for mail*, 941 Windsor Ave., Chicago, Ill.
- ALLAN, James R. (Junior, 1914), M.E., Intl. Harvester Co., McCormick Wks., Blue Island and Western Aves., Chicago, and *for mail*, 527 S. Cuyler Ave., Oak Park, Ill.
- ALLAN, Wm. T. (Associate, 1906), Mem. of Firm, A. Allan & Son, 6th & Bergen Sts., Harrison, and 82 Bentley Ave., Jersey City, N. J.
- ALLEN, Abbott (Associate-Member, 1917), M. E., Am. Intl. Shipbldg. Corp., Hog Island, Pa., and *for mail*, Box 222, Narberth, Pa.
- ALLEN, Albert M. (1903; 1908), Cons. Engr., Albert M. Allen & Co., 1900 Euclid Ave., and 2897 Fairfax Ave., Cleveland, O.
- ALLEN, Arthur P. (1917), Ch. Engr., Union Iron Wks. Co., San Francisco, and *for mail*, 1221 Vancouver Ave., Burlingame, Cal.
- ALLEN, Benjamin T. (1903), Ch. Engr., Harrisburg Fdy. & Mch. Wks., Harrisburg, and *for mail*, Perdix, R. D. 2, Duncannon, Pa.
- ALLEN, Charles L. (Associate, 1918), Treas. & Genl. Mgr. of Norton Co., Worcester, Mass.
- ALLEN, Charles M., (1901; 1903), Prof. Hyd. Engrg., Worcester Poly. Inst., and 8 Dean St., Worcester, Mass.
- ALLEN, Clifton H. (Junior, 1916), Mill Designer, The Dorr Co., 812 Cooper Bldg., and *for mail*, 1768 S. Penn St., Denver, Colo.
- ALLEN, Edward G. (Associate-Member, 1918), Marine Engr., Mch. Div., Philadelphia Navy Yard, and *for mail*, 173 W. Seymour St., Philadelphia, Pa.
- ALLEN, Ethan E. (1915), care of Mambulao Placer Co., Mambulao, A. Camerines, P. I.
- ALLEN, Francis B. (1880), V. P., The Hartford Steam Boiler Inspec. & Ins. Co., 56 Prospect St., and 61 Willard St., Hartford, Conn.
- ALLEN, Frank L. (Associate-Member, 1914), Rep. Landis Tool Co., Waynesboro, Pa., Secy., Treas., Dugger Motor Sales Co., and *for mail*, 4128 Carrollton Ave., Indianapolis, Ind.
- ALLEN, Harold F. (Junior, 1918), M. E., Link-Belt Co., 329 W. 39th St., and *for mail*, 1400 E. 53rd St., Chicago, Ill.
- ALLEN, Harvey (1915), Efficiency Engr., Pressed Steel Car Co., Western Steel Car and Foundry Co., Farmers Bank Bldg., Pittsburgh, and *for mail*, 347 Columbia Ave., West View, Pa.
- *ALLEN, Henry A. (1900), Col. 108th Engrs., 33rd Div., A. E. F., France, and care of Mrs. T. S. Allen, 246 Jackson St., Oshkosh, Wis.
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- ALLEN, Jean M. (1913), Genl. Supt. R. H. & G. A. McWilliams, 1111 McCormick Bldg., and *for mail*, 5006 Dorchester Ave., Chicago, Ill.
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- *ALLEN, Walter C. (Junior, 1905), Major, Signal Corps, Amer. Exped. Forces, France, Pres. Yale & Towne Mfg. Co., 9 E. 40th St., New York, N. Y., and Shippan Ave., Shippan Point, Stamford, Conn.
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- ALLISON, Laurence M. (1915; Associate-Member, 1918), Ch. Engr., Lawson Aircraft Co., and *for mail*, P. O. Box 801, Green Bay, Wis.
- ALLMAN, John H. (1913), Mgr. Stand. Steel Car Co., Forged Steel Wheel Co., and *for mail*, 228 W. Pearl St., Butler, Pa.
- *ALLYN, Robert S. (Associate, 1909), Maj., 57th Art. C. A. C., N. A.; Mem. of Firm, Mitchell & Allyn, 41 Park Row, New York, and 24 Irving Pl., Brooklyn, N. Y., also Clark Caster Co., Box 8, Plainville, Conn.
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- ALSBERG, Julius (Junior, 1905), U. S. Govt. Div. of Fats & Oils, U. S. Food Administration; Constr. Engr., care of O. E. Dietz, 1518 Buchanan St., N. W., Washington, D. C., and 7 Dearborn, Chicago, Ill.
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- AMES, Bradford L. (1918), Pres., Monarch Soot Remover Co., Inc., and Climax Smoke Preventer Co., Inc., 261 Franklin St., Boston, Mass.
- AMES, George E. (1904), Mech. Supt., Lawrence Mfg. Co., and 119 Hall St., Lowell, Mass.
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- AMES, Joseph H. (1898), Ch. Engr., Am. Car & Fdy. Co., 1262 Russell St., and Hotel Statler, Detroit, Mich.
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- AMORY, Clement G. (Junior, 1916), Treas., Gas Engine & Power Co., and Chas. L. Seabury & Co., Consld., Morris Heights, New York, N. Y.
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- ANDERSON, Chas. H. (1914), M. E., Pumping Dept., Cincinnati Water Wks., 2545 Eastern Ave., Cincinnati, and *for mail*, 2886 Ziegler Ave., Hyde Park, Cincinnati, O.
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- ANDERSON, F. Paul (1908), Dean College of Engrg., Univ. of Ky., and 147 Kentucky Ave., Lexington, Ky.

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- ANDERSON, Harry T. (Junior, 1917), Ch. Tool Designer, Duesenberg Motors Corp'n, and *for mail*, 29 Aberdeen Rd., Elizabeth, N. J.
- ANDERSON, Harry W. (Associate, 1907), Sales Mgr., In charge Auto Prod., Templar Motors Corpn., Halsted St. & N. Y. C. R. R., and 1197 Brockley Ave., Cleveland, O.
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- ANDERSON, James, Jr. (1917; 1917), Supt. Pipe Line Dept., Stand. Oil Co. of La., and 627 Herndon Ave., Shreveport, La.
- ANDERSON, John N. (1914) M. E., Otis Elev. Co., 26th St. and 11th Ave., New York, N. Y., and *for mail*, 275 Palisade Ave., Jersey City Heights, N. J.
- ANDERSON, John W. (Junior, 1913), Engr., Elec. Boat Co., Groton, Conn.
- ANDERSON, L. Douglass (1906; 1913), Mgr. of Smelters, U. S. Smelt., Ref. & Min. Co., 900 Newhouse Bldg., and 206 Douglas St., Salt Lake City, Utah.
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- ANDERSON, R. Earle (1917), Compt., Winchester Repeating Arms Co., New Haven, Conn.
- ANDERSON, Robert (1907), Mech. Supt., Proctor & Gamble Co., Ivorydale, and *for mail*, Vermont Ave., Sta. R., Cincinnati, O.
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- ANDERSON, Warwick M. (1918), Prof. Physics, Univ. of Louisville, Louisville, Ky.
- ANDERSON, William E. (Junior, 1914), Ch. Engr., A. S. Cameron Steam Pump Wks., Phillipsburg, N. J.
- ANDERSSON, Pelle (1913), M. E., Allis-Chalmers Mfg. Co., and *for mail*, 883 S. Pierce St., Milwaukee, Wis.
- ANDRAE, William C. (Junior, 1918), Ch. Draftsman, Gage Sec., Bureau of Standards, and 3415 34th Pl., Washington, D. C.
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- ANDREW, James D. (1904), Hull Constr., Am. Intnl. Shipbldg. Corpn., Hog Island, and The Lenox, 13th & Spruce Sts., Philadelphia, Pa.
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- ANDREWS, David H. (1913), Pres., The Boston Bridge Wks., Inc., 47 Winter St., Boston, and 19 Alden St., Newton Center, Mass.

- ANDREWS, William J. (Junior, 1898), Pres. Monitor Graphite Co., Ashland, Ala., and *for mail*, P. O. Box 310, and 105 E. North St., Raleigh, N. C.
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- *ANGELL, Harry J. (Junior, 1914), Lieut., Water Supply Engrs., Co. E, 26th Engrs., A. E. F., and *for mail*, c/o E. L. White, 1356 Pacific St., Bklyn., N. Y.
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- ANNETT, Edward B. (1914), Insp. of Gas., Asst. Engr., Pub. Utility Comm., State of N. J., 790 Broad St., Newark, and *for mail*, 33 Margaret St., Bayonne, N. J.
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- ANTHONY, Marc O. (Associate-Member, 1918), Cons. Engr., A. Kimball Co., 307 W. Broadway, and *for mail*, 112 E. 17th St., New York, N. Y.
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- ARMES, William A. (1913), Plant Engr., Lake Torpedo Boat Co., Bridgeport, and *for mail*, 3 Plymouth Ct., Milford, Conn.
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- ARNOLD, Douglass L. (1918), Ch. Engr., Spec. Engrg., Intl. Harvester Co., Gas Power Engrg., Tractor Wks., 2600 31st Blvd., and *for mail*, 5526 W. Monroe St., Chicago, Ill.
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- AULL, Jerome J. (1906; 1913; 1914), M. E., The Lunkenheimer Co., and 837 Academy Ave., Cincinnati, O.
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 AVNSOE, O. Olaf T. (Associate-Member, 1916), M.E., Compania de Cemento Portland, Sierras Bayas, F. O. S., Argentine Republic.
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 AYERS, Norwood B. (1908), M. E., Champion Coated Paper Co., and Ayr-castle Farm, R. R. 10, Hamilton, O.
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 AYR, Samuel (1917), Genl. Mgr., Industrial Truck Co., Holyoke, Mass.
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 BACHMAN, Robert A. (1911), Factory Mgr., Wright-Martin Aircraft Corp., Borden & Star Aves., Long Island City, L. I., N. Y., and *for mail*, 145 N. Arlington Ave., East Orange, N. J.

- BACKER, Elmer F. (Associate-Member, 1914), M. E., Davenport Loco. Wks., and 2536 Fulton Ave., Davenport, Ia.
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- BACON, George W. (1898; 1899), Mem. of Firm Ford, Bacon & Davis, 115 Broadway, and 23 W. 67th St., New York, N. Y.
- *BACON, Howard E. (Junior, 1916), Lieut. Co. "B.," 324 Field Sig. Bttn., Camp Alfred Vail, Little Silver, N. J., and *for mail*, 334 University Ave., Rochester, N. Y.
- *BACON, John L. (1899; 1909), Capt., E. O. R. C., 602nd Engrs., Camp Devens, Ayer, Mass., and *for mail*, 1605 28th St., San Diego, Cal.
- BACON, William (1916), Supt. Prentice Dept., Reed-Prentice Co., 667 Cambridge St., Worcester, and *for mail*, 55A, R. F. D. 2, Shrewsbury, Mass.
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- BAILEY, Elton D. (1912), Engr. Constr. and Maintenance Dept., Packard Motor Car Co., and 1241 Euclid Ave., Detroit, Mich.
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- BAILY, Robert W. (1918); Asst. Genl. Mgr., Mobile Shipbldg. Co., Mobile, Ala.
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- BAKER, Arthur J. (1913), Engr., Cincinnati Milling Mch. Co., Cincinnati, and *for mail*, 3442 Wellstone Pl., Hyde Park, Cincinnati, O.
- *BAKER, C. Thos. (Associate-Member, 1917), Civilian Capt. of Unit, Refrigerating Plant, No. 1, U. S. Military P. O. 705, A. E. F., France, and 3½ Rhode Ave., St. Augustine, Fla.
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- BAKER, Charles H., Jr. (Junior, 1917), Norton Co., Worcester, Mass., and *for mail*, 48 Evergreen Ave., Hartford, Conn.
- BAKER, Charles Whiting (1893), Vice-President, 1909-1911; Pres. Baker Economic Transport Corp., 31 Nassau St., New York, N. Y., and *for mail*, 20 S. Mountain Ave., Montclair, N. J.
- BAKER, Dickerson G. (1905), 32 W. 40th St., New York, N. Y.
- BAKER, Donald A. (Associate-Member, 1917), Service Engrg. Co., 25 Church St., New York, N. Y.
- BAKER, Frank D. (1893), Ch. Engr. Colo. Dept., Am. Smelting & Refining Co., 750 Equitable Bldg., and *for mail*, 3221 Franklin St., Denver, Colo.
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- *BAKER, Irving C. (Junior, 1916), Repair Unit No. 306, Camp Meigs, Washington, D. C.
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- *BALDWIN, Bert L. (1890), Maj., Corps of Engrs., U. S. A., D. L. R. &

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- BARNES, Eugene L. (1916), Dist. Mgr., Am. District Steam Co., 1507 Hoge Bldg., and 2321 33rd Ave., S., Seattle, Wash.
- BARNES, Frederick A. (1916), Natnl. Carbon Co., and *for mail*, 1500 Rydal Mt. Rd., Cleveland, O.
- BARNES, Fred L. (Associate-Member, 1918), Genl. Foreman, Maintenance Dept., The Baltimore Copper Smelting & Refining Co., and *for mail*, 7100 N. Carrollton Ave., Baltimore, Md.
- BARNES, Howel H., Jr. (1910), Dist. Engr., Genl. Elec. Co., 120 Broadway and 32 W. 40th St., New York, N. Y.
- BARNES, John S. (1913), Secy., Treas., W. F. & John Barnes Co., Rockford, Ill.
- BARNES, Stuart G. (1899, 1902), Constr. Engr., Solvay Process Co., and 310 West Blvd., Detroit, Mich.
- BARNES, W. F. (1886), 813 N. Main St., Rockford, Ill.
- BARNES, Walter E. (1915), Pres. & Treas., Consolidated Engrg. Co., 335 W. 28th Pl., Chicago, Ill., and *for mail*, 247 Atlantic Ave., Boston, Mass.
- BARNES, Wilbur J. (Junior, 1917), Engr. of Power Plants, Baltimore & Ohio R. R., Central Union Depot, and 3642 Burch Ave., Cincinnati, O.
- BARNES, William O. (1908), Cons. Engr., 770 Main St., Leominster, Mass.
- BARNETT, Carl P. (1913), Struc. and Mech. Engr., Wilson & Co., 41st and Ashland Ave., Chicago, Ill.
- BARNETT, Sydney A. (Junior, 1917), Engr. Draftsman, High L. Thompson, Cons. Engr., 57 N. Main St., and *for mail*, 25 Ridgewood St., Waterbury, Conn.
- BARNEY, E. E. (1912), Genl. Factory Mgr., Remington Typewriter Co., 374 Broadway, New York, N. Y., and 311 Mt. Prospect Ave., Newark, N. J.
- BARNHURST, Henry G. (1916), Ch. Engr., Fuller Engrg. Co., and *for mail*, 1441 Hamilton St., Allentown, Pa.
- *BARNUM, C. Leslie (Associate-Member, 1914), Lieut., U. S. N. R. F. M. E., Crestwood, Tuckohoe, N. Y.
- BARNUM, E. S. (1918), Editorial Wk., G. M. Basford Co., Rm. 1924, 30 Church St., New York, N. Y.
- BARNUM, Geo. S. (1887), Pres., The Bigelow Co., 60 Lloyd St., and 237 E. Rock Rd., New Haven, Conn.
- BARNUM, Starr H. 2nd (1913; Associate-Member, 1916), Secy., The Bigelow Co., and *for mail*, 117 Avon St., New Haven, Conn.
- BARNUM, Theodore P. (Associate, 1915), Secy., Barnum Bros. Co., 179 River St., and 31 Maple Ave., Troy, N. Y.
- BARNUM, Thomas E. (1913), Ch. Engr., Cutler-Hammer Mfg. Co., Milwaukee, and Wauwatosa, Wis.
- BARR, Clarence D. (Associate-Member, 1915), Asst. Genl. Mgr., Am. Cast Iron Pipe Co., Box 908, and 1804 14th Ave., N. Birmingham, Ala.
- BARR, H. P. (1889; 1913), 32 W. 40th St., New York, N. Y.

- BARR, James A. (Junior, 1916), Designer, Edgewater Steel Co., and *for mail*, 414 Fifth St., Oakmount, Pa.
- BARR, James W. (Junior, 1913), Salesman, Vandyck Churchill Co., 529 Singer Bldg., New York, and 239 Prospect Pl., Brooklyn, N. Y.
- *BARR, John H. (1889), Manager, 1915-1918; Maj. U. S. Air Serv., A. E. F.; Army P. O. 702, France, and *for mail*, Remington Bldg., 374 Broadway, New York, N. Y.
- BARR, Kester (Junior, 1915), Buyer, Curtiss Aero & Motor Corp., and 154 Highland Ave., Buffalo, N. Y.
- BARR, William H. (Associate, 1911), Pres., Lumen Bearing Co., 1155 Sycamore St., Buffalo, N. Y.
- BARRATT, Edgar G. (1888), Pres., Union Bag & Paper Co., 17 Battery Pl., New York, N. Y., and *for mail*, 133 Harrison St., East Orange, N. J.
- BARRE, Herbert A. (1912), E. E. Southern Cal. Edison Co., Edison Bldg., and 5337 Sixth Ave., Los Angeles, Cal.
- BARRETT, Charles G. (Associate-Member, 1918), M. E., U. S. Shipping Board, Emergency Fleet Corp., Granley St., Norfolk, Va.
- BARRETT, Dwight O. (Junior, 1912), M. E., The Buckeye Mch. Co., and 1021 Rice Ave., Lima, O.
- BARRETT, George E. (1916), Inspc. of Nav. Constr., Bureau of Constr. & Repair, State, War & Navy Bldg., Washington, D. C.
- BARRETT, John H. (1913), Genl. Mgr., Stand. Steel Tank & Mfg. Co., 2336 Henry W. Oliver Bldg., Pittsburgh, Pa., and *for mail*, 8609 Wade Park Ave., Cleveland, O.
- BARRETT, Karl E. (Associate-Member, 1918), Supt. & Ch. Engr., E. & T. Fairbanks, Ltd., Belvidere St., and *for mail*, 12 Champlain St., Sherbrooke, Que., Canada.
- BARRETT, Walter A. (1906; 1917), M. E. The Bass Fdy. & Mch. Co., and 905 Wildwood Ave., Fort Wayne, Ind.
- BARRETT, William F. (1915), Constr. Engr., 30 E. 42nd St., New York and 14 Mendota Ave., Rye, N. Y.
- BARRI, Joe G. (1918), Fair Haven, N. J.
- *BARRON, Alexander F. (Junior, 1916), Prvt., Co. "F," 305th Engrs., A. E. F., Care of Postmaster, New York, N. Y., and *for mail*, 3rd Apt., 2316 E. 70th Pl., Chicago, Ill.
- BARRON, Claude M. (1910; Associate-Member, 1914), Cons. Engr., Chas. M. Terry, Inc., 23-25 Beaver St., New York, and Princess Bay P. O., R. F. D. No. 80B, S. I., N. Y.
- BARROWS, Lee E. (1908; 1912), The Tex. Co., Box 983, Fort Worth, Tex.
- BARRUS, Geo. H. (1883), Vice-President, 1905-1906: Expt. and Cons. Steam Engr., 12 Pemberton Sq., Boston, and 180 Winchester St., Brookline, Mass.
- BARRY, J. Joseph (Junior, 1916), M. E., Dept. of Military Aeronautics, U. S. A., Air Serv., Texas A. & M. College, College Station, Tex.; M. E., Oxweld Acetylene Co., Newark, N. J., and *for mail*, 67 Main St., Middletown, Conn.
- *BARRY, John L., Jr. (Junior, 1918), U. S. Nav. Aux. R. F., address unknown.
- BARRY, Joseph C. (Associate-Member, 1918), Mch. Draftsman, N. Y. Edison Co., 130 E. 15th St., New York, and *for mail*, 875 Union St., Brooklyn, N. Y.
- BARRY, Ralph E. (Associate-Member, 1918), Tebo Basin and *for mail*, Hotel St. George, Brooklyn, N. Y.
- *BARRY, Thos. J. (Junior, 1917), Prvt., Co. "A," 37th Engrs., 1st Battn., A. E. F., via New York, France, Asst. Engr., Dayton-Dick Co., Quincy, Ill., and *for mail*, P. O. Box 44, Enfield, Pa.

- BARSTOW, Francis L. (1905; 1911), M. E., Falulah Paper Co., Fitchburg, Mass
- BARSTOW, John S. (1918), Engr., E. I. Du Pont de Nemours & Co., Wilmington, Del. and *for mail*, 6052 Pine St., Philadelphia, Pa.
- BARTH, Carl G. (1898), Senior Member, Carl G. Barth & Son, 244 Larkin St., and *for mail*, The Markeen Hotel, Buffalo, N. Y.
- BARTLETT, Charles H. (1908), Htg. and Vent. Engr., R. D. Kimball & Co., 6 Beacon St., Boston, and *for mail*, 5 Lewis Rd., Winchester, Mass.
- BARTLETT, D. Dana (Associate, 1915), Cons. Engr., 44 W. 44th St., New York, N. Y., and *for mail*, 14 Charlesgate, W., Boston, Mass.
- BARTLETT, Dwight K. (1910), Electro Bleaching Gas Co., and Niagara Alkali Co., 18 E. 41st St., New York, N. Y.
- BARTLETT, Edwin E. (1913), Proprietor, 41 Crown St., and 273 Main St., Nashua, N. H.
- BARTLETT, George M. (1911), Ch. Engr., Diamond Chain & Mfg. Co., 241 W. Georgia St., and *for mail*, 2609 N. Delaware St., Indianapolis, Ind.
- BARTLETT, Henry (1897), Ch. Mech. Engr., Boston & Me. R. R., N. Sta., Boston, and *for mail*, 51 Highland St., Cambridge, Mass.
- BARTLETT, Henry B. (1918), Ch. Engr., B. F. Perkins & Son, Inc., 2 Crescent St., Holyoke, Mass.
- BARTOL, Geo. (1886), Pres., The Otis Steel Co., and 11421 Bellflower Rd., Cleveland, Ohio.
- *BARTON, Charles R. (Junior, 1914), 2nd Lieut., Co. "A," 24th Engrs., A. E. F., France, and *for mail*, 1316 5th St., Oakmont, Pa.
- BARTON, George S. (Associate-Member, 1918), Pres. & Treas., Rice, Barton & Fales M. & I. Co., Tainter St., and *for mail*, Box 1174, Worcester, Mass.
- BARTON, Henry L. (1903), Asst. Dir. of Production, Genl. Motors Co., cor. Brush and Congress Sts., and 526 St. Paul Ave., Detroit, Mich.
- *BARTON, Raymond L. (Associate-Member, 1915), 1st Lieut., Ord., U. S. A., Instr., Aberdeen Ord. Training Sch., Aberdeen Proving Ground, Aberdeen, Md., and 15 S. Dayton St., Worthington, Ind.
- BARUCH, Milton (Junior, 1914), Ch. Engr., Llewellyn Iron Wks., 1200 N. Main St., and 2508 Harvard Blvd., Los Angeles, Cal.
- BASCOM, Rollin S. (Associate-Member, 1914), Supt. A. J. Smart Mfg. Co., and *for mail*, 4 Union St., Greenfield, Mass.
- BASFORD, Geo. M. (1889; 1891), Manager, 1906-1909; Pres., Loco. Feed Water Heater Co., 30 Church St., New York, and 134 Primrose Ave., Mt. Vernon, N. Y.
- BASINGER, James G. (1907), Supv. Engr., Rep. Dir. of Storage & Traffic, Army Supply Base, Brooklyn, and 52 Broadway, New York, N. Y.
- *BASSETT, Charles K. (Junior, 1917), 1st Lieut., Engrg. Div. of Ord., care of Ch. Ord. Officer, U. S. A. P. O. 717, A. E. F., France; Secy., Buffalo Meter Co., 2917 Main St., and 691 W. Ferry St., Buffalo, N. Y.
- *BASSETT, Cyrus W. (Junior, 1915), Corp., Train Hdqrs., 305th Amm. Train, A. E. F., France, and *for mail*, 5442 Fulton St., Chicago, Ill.
- BASSETT, George B. (1914), Pres., Genl. Mgr., Buffalo Meter Co., 2917 Main St., and *for mail*, 691 Ferry St., Buffalo, N. Y.
- BASSETT, Robert S. (Junior, 1917), Treas., Buffalo Meter Co., and *for mail*, 48 Inwood Pl., Buffalo, N. Y.
- BASSETT, Royal M. (Associate-Member, 1914), Dist. Sales Mgr., Murphy Iron Wks., 202 Stephen Girard Bldg., Philadelphia, Pa.
- BASTABLE, William M. (1915), Prospect St., Westfield, N. J.
- BATCHELDER, Asa F. (1903), Engr. Ry. Loco. Dept., Genl. Elec. Co., and R. F. D. 2, Schenectady, N. Y.

- BATEMAN, Edward L. (Associate, 1897), M. E., Herbert Ainsworth, P. O. Box 1671, Johannesburg, and Sui-ko-Kan, Sherbourne Rd., Parktown, Johannesburg, Transvaal, S. A.
- BATEMAN, George W. (1909; 1914), Gen. Pur. Agt., Sullivan Mchy. Co. and *for mail*, 108 Pleasant St., Claremont, N. H.
- BATEMAN, Paul (Associate-Member, 1917), Mgr., People's Tank-Line Co., and *for mail*, Box 434, Coffeyville, Kan.
- BATES, Adelmor, M. (1912), Pres., Bates Valve Bag Co., 7310 S. Chicago Ave., and 1417 Hyde Park Blvd., Chicago, Ill.
- BATES, Albert Harlan (1890; 1912), Pat. Lawyer, 1028 Society for Savings Bldg., and 2935 Hampshire Rd., Cleveland, O.
- BATES, Albert Henry (1907; 1913), M. E., 2819 W. 42d St., Minneapolis, Minn.
- BATES, Charles J., Jr. (1913), Plant Mgr., The Viscoloid Co., and Hotel Columbia, Leominster, Mass.
- *BATES, Daniel M. (1912), Maj., U. S. A., Agt. Lewiston Bleachery & Dye Wks., and Cor. Pine & Webster Sts., Lewiston, Me.
- BATES, Edward P. (1891), Life Member; Pres., Edward P. Bates Co., Inc., 228 W. Water St., and 102 Lincoln Park Drive, Syracuse, N. Y.
- BATES, Erastus N., Jr. (1917), Investigator in Grain Dockage, U. S. Dept. of Agri., Bureau of Markets, Grain Standardization, and 1624 Lamont St., Washington, D. C.
- BATES, Francis E. (Associate, 1913), Dept. Mgr., The Am. Thread Co., 260 W. Broadway, New York, N. Y.
- BATES, George H. (1914), Secy., Treas., S. I. Shipbuilding Co., Port Richmond, S. I., N. Y., and *for mail*, 18 Hampton St., Cranford, N. J.
- BATES, Harry H. (1916), V. P., Joliet Oil Tractor Co., Sec'y, Bates Mch. Co., and *for mail*, 225 4th Ave., Joliet, Ill.
- *BATES, Harry Howard (1916; Associate-Member, 1918), 1st Lieut., Ord. Dept., U. S. A., Ry. Artillery Repair Shop, A. P. O. 719, American E. F., France.
- BATES, James H. S. (1914), Cons. Engr., 85 Wall St., New York, N. Y., and *for mail*, P. O. Box 118, Hoboken, N. J.
- BATES, John R. (1918), V.-P., Wonham, Bates & Goode, Inc., 17 Battery Pl., New York, N. Y., and 510 Orange Ave., Cranford, N. J.
- BATH, John (1918), Prop. of John Bath & Co., Inc., 8 Grafton St., Worcester, Mass.
- BATHGATE, Owen H. (1912), Wks. Power Engr., Westinghouse Elec. & Mfg. Co., East Pittsburg, and 600 Hampton Ave., Wilkesburg, Pa.
- BATT, William L. (Junior, 1911), Sales Mgr., The Hess-Bright Mfg. Co., Front St. and Erie Ave., Philadelphia, and 216 Wyncote Rd., Jenkintown, Pa.
- *BATTEN, Loring W., Jr. (Junior, 1916), Ensign, U. S. N., U. S. S. *Wyoming*, care Postmaster, and 3 Chelsea Sq., New York, N. Y.
- BATTIN, Harold T. (Associate-Member, 1918), Ch. Engr., Horace A. Staples, Cons. Engr., Rm. 714, 103 Park Ave., New York, N. Y., and *for mail*, British Am. Metals Co., Inc., Plainfield, N. J.
- BATTLE, John R. (Associate-Member, 1918), M. E. & Philadelphia Mgr., Swan & Finch Co. of N. Y., 508 Otis Bldg., Philadelphia, and *for mail*, 514 Arbutus St., Germantown, Philadelphia, Pa.
- BAUER, Chas. L. (1900; 1901), Pres., The Bauer Bros. Co., and 1215 E. High St., Springfield, O.
- BAUER, George A. (Associate, 1917), V. P., W. E. Shipley Mchy Co., 1500 Morris Building, Philadelphia, and Elkins Pk., Montgomery, Pa.
- BAUER, Thomas (1912), Pres., Genl. Mgr., Lafayette Box Board & Paper Co., Lafayette, Ind.

- BAUGHMAN, Isaac N. (Junior, 1916), Fore River Wks., Bethlehem Ship. Bldg. Corpn., and *for mail*, 27 Francis St., Quincy, Mass.
- BAUHAN, Alexander E. (1914; Associate-Member, 1917), Sta. Supt. Pa. Water & Power Co., 1611 Lexington Bldg., and 4405 Liberty Hgts. Ave., Baltimore, Md.
- BAUM, Frank G. (1906), Cons. Engr., 1901-1902 Hobart Bldg., San Francisco, and 117 Sheridan Ave., Piedmont, Cal.
- BAUM, I. Albert (Associate-Member, 1916), Asst. Genl. Mgr., La Salle Engrg. Co., 337 West Madison St., Canal Sta., and 350 E. 56th St., Chicago, Ill.
- BAUM, Robert S. (Junior, 1912), 1749 Cherokee Ave., Hollywood, Cal.
- BAUMEISTER, Paul A. (Associate-Member, 1918), M.E., Ingersoll-Rand Co., 11 Broadway, New York, and *for mail*, 402 Amity St., Flushing, N. Y.
- BAUMES, Palmer B. (Associate, 1916), Pres., Baumes-McDevitt Mchy. Co., 1984 Ry. Exch. Bldg., and 6061 Berlin Ave., St. Louis, Mo.
- BAUMGARTNER, Arthur A. (Junior, 1917), 1207 Thomson St., Philadelphia, Pa.
- BAUMGARTNER, Charles G. (1913), Asst. M. E., Am. Bridge Co., Ambridge and 709 Nevin Ave., Sewickley, Pa.
- BAUMIS, Frank J. (Associate, 1916), Wks. Mgr., Putnam Mch. Wks., Newton Pl. and 15 Beacon St., Fitchburg, Mass.
- BAUS, Richard E. (1918), Asst. Genl. Prod. Mgr., Studebaker Corpn., Detroit, Mich.
- BAUSCH, Carl L. (1911; Associate-Member, 1913), Supt. Bausch & Lomb Optical Co., 635 St. Paul St., and 260 Dorchester Rd., Rochester, N. Y.
- BAUSCH, Frederick E. (1904), Mgr., The Hooven, Owens, Rentschler Co., 1607 Chemical Bldg., and 6133 Berlin Ave., St. Louis, Mo.
- BAUSH, William H. (1904), Sales Mgr., Natl. Equip. Co., and 64 Magnolia Terrace, Springfield, Mass.
- BAVIER, Charles S. (Associate, 1907), Ch. Engr., Metro. Life Ins. Co. Bldg., 1 Madison Ave., New York, N. Y.
- BAXTER, Burke M. (1908; 1914), Cons. Engr., 711 Union Bldg., and 1513 E. 18th St., Cleveland, O.
- BAXTER, Henry N. (Junior, 1914), Ch. Draftsman Cole Motor Car Co., and *for mail*, 2602 N. Illinois St., Indianapolis, Ind.
- BAXTER, William C. (Junior, 1916), Supt., Meter Dept., Wichita Pipe Line Co., First Natl. Bank Bldg., and corner 11th & Shawnee, Bartlesville, Okla.
- BAYARD, Robert A. (1914), Res. Supt., Norton Co. of Chippawa, Ont., Canada, 170 Buffalo Ave., Niagara Falls, N. Y.
- *BAYER, Lloyd F. (Junior, 1915), Coast Art., and *for mail*, 357 S. 4th Ave., Mount Vernon, N. Y.
- BAYLE, Emile J. (1907), 29 W. 82nd St., New York, N. Y.
- BAYLEY, Guy L. (1911), Asst. to Pres., Federal Export Corpn., 42 Broadway, New York, N. Y.
- BAYLEY, William (1904), Pres., Ch., Engr., Wm. Bayley Co., and *for mail*, 521 S. Fountain Ave., Springfield, O.
- BAYLIS, Arthur R. (1905; 1906), Asst. Engr. Motive Power Dept., Elec. Div., I. R. T. Co.; 621 Broadway, New York, and *for mail*, 115 Terrell Ave., Rockville Center, L. I., N. Y.
- BAYLIS, John R. (Associate-Member, 1916), Chemist, Baltimore Filtration Plant, and *for mail*, 3402 Harford Ave., Baltimore, Md.
- BAYLIS, Robt. N. (1892), Pres., Engr., The Baylis Co., Bloomfield, N. J.
- *BAYLIS, Roger V. (Junior, 1916), Lieut. Ord. Dept., U. S. A., Winchester Repeating Arms Co., New Haven, Conn.

- *BAYNE, George H. (1911), Capt., Ord., F. A., 2310 20th St., N. W., Washington, D. C.
- BAYRER, L. Garfield (1918), Prod. Supt., Billings & Spencer Co., 1 Laurel St., and *for mail*, 165 Ashley St., Hartford, Conn.
- BEACH, Charles L. (Associate-Member, 1918), Mgr., Beach Mfg. Co., 80 Boylston St., and 1 Arlington St., Boston, Mass.
- BEACH, Charles S. (Junior, 1885), Designer, Machinist, 745 Main St., Bennington, Vt.
- BEACH, Harold K. (Junior, 1904), Mech. Supt., Cleveland Brass & Copper Rolling Mills, Inc., Cleveland, and *for mail*, 1871 Noble Rd., East Cleveland, O.
- BEADENKOPF, George (1912), Ch. Engr. Consld. Gas, Elec. Light & Power Co., Lexington and Liberty Sts., and 2604 Roslyn Ave., Baltimore, Md.
- BEAGHEN, Thomas, Jr. (1916), Master Car Builder, Union Tank Line Co., 21 E. 40th St., New York, and *for mail*, 426 S. 6th Ave., Mt. Vernon, N. Y.
- BEAL, Henry S. (Associate-Member, 1917), Asst. to Genl. Mgr., Jones & Lamson Mch. Co., and 27 Orchard St., Springfield, Vt.
- BEALE, Horace A., Jr., (1915), Pres. Parkesburg Iron Co., Parkesburg, Pa.
- BEALL, Frank F. (Junior, 1902), V. P. Mfg., Packard Motor Car Co., East Grand Blvd., and 59 Hendrie Ave., Detroit, Mich.
- BEAMAN, Elmer A. (1891), Treas., Beaman & Smith Co., Gordon and Reynolds Ave., and 237 Washington Ave., Providence, R. I.
- BEAMAN, P. Alden (Associate-Member, 1915), Asst. Supt., Geo. W. Prentiss & Co., and 37 Bay State Rd., Holyoke, Mass.
- BEAN, Clarence H. (1915), Chem. Engr., Advisory Bd., Calco Chemical Co., Bound Brook, N. J.
- BEAN, William L. (1912), Asst. Genl. Mech. Supt., N. Y., N. H. & H. R. R. Co., Rm. 201, Genl. Office Bldg., and *for mail*, 441 Ellsworth Ave., New Haven, Conn.
- BEAR, Oliver L. (1913), Cons. Engr., Laundryowners Natl. Assoc., La Salle, and 1719 Greenleaf Ave., Chicago, Ill.
- *BEARD, Theodore H. (Junior, 1917), Lieut., Sandy Hook Proving Ground, Fort Hancock, N. J.
- BEARDSLEY, William H. (Associate, 1917), Asst. Supt., Jones & Lamson Mch. Co., Springfield, Vt.
- BEATIE, Cecil E. (Junior, 1912), The Foundation Co., Box 98, Point Richmond, Cal.
- BEATTIE, C. Morton (Junior, 1918), Mech. Draftsman, Bethlehem Shipbldg. Corp., Ltd., Fore River Plant, and *for mail*, 151 Elm St., Quincy, Mass.
- BEAUBIEN, James A. (1915), M.E., Genl. Mgr., Weber Subterranean Pump Co., 50 E. 42nd St., New York, N. Y., and 132 Claremont Ave., Verona, N. J.
- BEAUMONT, Jay C. (Associate-Member, 1918), Ch. Planner, Engrg. Dept., The B. F. Goodrich Co., and *for mail*, 998 East Ave., Akron, Ohio.
- BEAVER, Charles W. (1914), Export Mgr. Yale Products, Domestic Mgr., Hoist Dept., The Yale & Towne Mfg. Co., 9 E. 40th St., New York, N. Y., and Palisades Park, N. J.
- BEBB, J. C. (Associate, 1913), Otis Elev. Co., 11th Ave., and 26th St., New York, and 21 Ivy Close St., Forest Hills, L. I., N. Y.
- BECHERT, Fred J. (Junior, 1914), Asst. Examiner, U. S. Pat. Office, Div. 9, and 1814 Park Road, N. W., Washington, D. C.
- BECHTEL, August L. (Junior, 1911), Wks. Mgr., The Cleveland Punch &

- Shear Wks Co., 3917 St. Clair Ave., N. E., and 1455 E. 116th St., N. E., Cleveland, O.
- *BECHTEL, John A. (Associate, 1900), Capt., in command of Co. "F," 108th Supply Train, 33rd Div., A. E. F., France, and *for mail*, Williamsburg, Va.
- BECK, Charles E. (1911; Associate-Member, 1918), Sales Engr., Baker-Dunbar-Allen Co., 1900 Euclid Ave., Cleveland, and *for mail*, 2777 Lancashire Rd., Cleveland Heights, O.
- BECK, James D. (1906), M. E. & V. P., Rantz Engrg. & Mch. Wks., Inc., 4114 Carrollton Ave., and *for mail*, 2331 Constance St., New Orleans, La.
- BECK, Matthias A. (1886), V. P. and Ch. Engr., Milwaukee Elec. Crane Co., 60th and Greenfield Ave., and *for mail*, 294 Greenbush St., Milwaukee, Wis.
- BECK, William H. (Associate-Member, 1917), E. E., Crown Cork & Seal Co., 1511 Guilford Ave., and *for mail*, 4502 Maine Ave., Montebello Park, Baltimore, Md.
- BECKER, Adolf J. (Associate, 1914), Wks. Mgr., Becker Steel Co. of Am., Inc., and 1557 Lee St., Charleston, W. Pa.
- BECKER, Albert J. (1912), Prof. Applied Math., Univ. of N. D., and *for mail*, 915 Belmont Ave., Grand Forks, N. D.
- BECKER, Luther (Associate, 1913), Mgr. U. S. Steel Products Co., 30 Church St., New York, N. Y., and Schuylkill Haven, Sch. Co., Pa.
- BECKJORD, Walter C. (Associate-Member, 1913), Am. Light & Traction Co., 120 Broadway, New York, N. Y.
- BECKSTRAND, Elias H. (1908), Prof. M. E., Univ. of Utah, Salt Lake City, Utah.
- BECKWITH, Henry C. (1913), Secy., Treas., Genl. Mgr., John F. Byers Mch. Co., Ravenna, O.
- BEDFORD, Russell B. (1914), Mgr. and Asst. Treas., R. S. Stokvis & Zonen, Inc., 17 Battery Place, New York, N. Y., and 307 W. Fullerton Pl., Montclair, N. J.
- BEDWORTH, Arthur H. (1917), Plant Engr., Remington Typewriter Co., 1087 Railroad Ave., and *for mail*, 610 Colorado Ave., Bridgeport, Conn.
- *BEEBE, Lawrence L. (1915), Capt., E. O. R. C., Asst. M. E., Off. of Pub. Rds. & Rural Engrg., and *for mail*, 1440 Meridian Place, Washington, D. C.
- BEEBEE, Lewis (Associate-Member, 1918), M.E., Steam Combustion & Constr., Hammond Steel Co., Inc., and *for mail*, 320 Roberts Ave., Syracuse, N. Y.
- BEECHER, Henry W. (1908; 1915), Mgr. Seattle Office, Chas. C. Moore & Co., Engrs., 618 Mutual Life Bldg., and 1616 E. Howell St., Seattle, Wash.
- *BEEHLER, Weyman P. (Associate-Member, 1916), Comdr. U. S. N., U. S. Nav. Experimental Sta., New London, Conn., and Navy Dept., Washington, D. C.
- BEEKLEY, Waldron C. (Associate-Member, 1916), Asst. Secy. Whitlock Coil Pipe Co., and *for mail*, 439 Edgewood St., Hartford, Conn.
- *BEEKMAN, Henry M. (Junior, 1917), Lieut., Ord. Dept., U. S. A., Sandy Hook Proving Ground, Fort Hancock, and *for mail*, Bedminster, N. J.
- BEEN, Paul (Junior, 1917), Engr., Morgan Engrg. Co., and *for mail*, 215 E. Prospect St., Alliance, O.
- *BEERBAUM, Arthur J. (Junior, 1914), Ch. Machinist's Mate, U. S. N., Steam Engrg. Sch., Stevens Inst., Hoboken, N. J., and *for mail*, 3353 Lincoln Ave., Chicago, Ill.
- BEERS, Royce L. (Associate-Member, 1914), Engrg. Dept., Underfeed Stoker Co. of Am., Harris Trust Bldg., Chicago, Ill.

- BEESON, Alex C. (1916), Ch. Engr., Mine Mgr., Four States Coal Co., Worthington, W. Va.
- BEGG, Thomas K. (1917), Mech. Supt. Mfg. Dept., Bridgeport Brass Co., and *for mail*, 34 Richardson St., Bridgeport, Conn.
- BEHN, Carl (1903) Partner, Buffalo Refrig. Mch. Co., 126 Liberty St., New York, N. Y., and 31 Eppirt St., East Orange, N. J.
- BEHNEY, Charles C. (Associate-Member, 1914), M. E. Simplex Valve & Meter Co., 625 Wood St., Philadelphia, Pa., and *for mail*, 23 W. Madison Ave., Collingswood, N. J.
- *BEHR, Francis J. (1914), Lieut. Col., Co. A. C., U. S. A., Fort Monroe, Va.
- BEHR, Hans C. (1891), Rm. 827, 2 Rector St., New York, and 14 Lynwood Rd., Scarsdale, N. Y.
- BEHREND, Bernard A. (1909), Cons. Engr., Rm. 434, 200 Devonshire St., and 71 Colchester St., Boston, Mass.
- BEHREND, Ernest R. (1900), Pres., Genl., Mgr., Hammermill Paper Co., Erie, Pa.
- BEINECKE, Fritz W. (Associate-Member, 1917), Supvr. Auto. Equip., The Tex. Co., 17 Battery Pl., New York, N. Y., and *for mail*, 401 Prospect St., Cranford, N. J.
- BEITMAN, Arthur H. (Associate-Member, 1917), 528 Riverside Drive, New York, N. Y.
- *BELCHER, P. W. (Associate-Member, 1916), Capt. of Engrs., U. S. A., Genl. Engr. Depot, Washington Barracks, Washington, D. C., and M. E., Power Plants & Hydr. Machy., 2800 Van Ness Ave., San Francisco, Cal.
- BELCHER, Warren J. (1914), Factory Mgr., & Ch. Engr., The Whitney Mfg. Co., and *for mail*, 784 Farmington Ave., Hartford, Conn.
- BELDING, Lewis A. (Associate-Member, 1918), Asst. Prof. Mech. Engrg., Stevens Inst. Tech., Hoboken, and *for mail*, 18 Vroom St., Jersey City, N. J.
- BELL, Andrew L. (Associate-Member, 1913), Asst. Genl. Purch. Officer, U. S. Shipping Bd., Emergency Fleet Corpn., and *for mail*, The Satterlee, 4510 Chestnut St., Philadelphia, Pa.
- BELL, Clinton W. (Associate-Member, 1917), Supt. Milton Power Sta., Northumberland County Gas & Elec. Co., Milton, Pa.
- BELL, David (1912), Pres., The Bell Co., 1555 Fullmore Ave., and *for mail*, 911 Lafayette Ave., Buffalo, N. Y.
- BELL, Edgar D. (1915), Genl. Supt., St. Louis Elec. Term. Ry. Co., St. Louis Elec. Bridge Co., Madison Co. Light & Power Co., 3725 N. Broadway, St. Louis, Mo., and St. Andrews Pl., Edwardsville, Ill.
- BELL, Frank B. (1918), Pres., Edgewater Steel Co., P. O. Box 249, Pittsburgh, Pa.
- BELL, James A. (1914), M. M., Ill. Steel Co., and *for mail*, 323 Hunter Ave., Joliet, Ill.
- BELL, Jesse M. (1914), M. E., 105 Cottage St., Lockport, N. Y.
- BELL, John E. (1903; 1916), Cons. Engr., 111 Broadway, New York, N. Y.
- BELL, Joseph M. (1899), M. E., Tube Wks. Dept., Reading Iron Co., and *for mail*, 140 N. 4th St., Reading, Pa.
- BELL, Paul J. (1915), Welch, Fairchild Co., Inc., Manila, and *for mail*, San Jose, Mindoro, P. I.
- BELL, Raymond T. (1913), 2006 Tremont Ave., Davenport, Ia.
- BELL, William L. (1914), Pres., Fulton Eng. Wks., Box 296, and *for mail* 1015 E. 27th St., Los Angeles, Cal.
- BELLAMY, Leon (1915), Bellamy Millwright & Mch. Co., 137 Purchase St., Boston, Mass.

- BELLINGER, Daniel L. (1916), Mgr., Carthage Mch. Co., and 12 High St., Carthage, N. Y.
- BENCH, Alfred R. (Junior, 1907), M. E., Taylor-Wharton Iron & Steel Co., High Bridge, N. J., and Bishop Apts., Easton, Pa.
- BENDA, Harry R. (Associate-Member, 1914), M. E., D. Auerbach & Sons., 628-644 11th Ave., New York, N. Y., and *for mail*, 250 Clark Terrace, Cliffside Park, Bergen Co., N. J.
- BENDIT, Louis (Associate, 1905), T. B. Gasoline Co., Tulsa, Okla.
- BENDT, Ernest R. (Junior, 1914), Asst. Estimating Engr., Ill. Steel Co., and *for mail*, 757 Pennsylvania St., Gary, Ind.
- *BENEDICT, Bruce W. (1912), Capt., 1st Ill. Field Art., Command'g Battery "F"; Dir. of Shop Fabrication, Univ. of Ill., Urbana, Ill.
- *BENEDICT, Byron W. (Junior, 1917), 1st Lieut., Ord. Dept., U. S. A., A. E. F., France, and *for mail*, Mechanicsburg, Ill.
- BENEDICT, Howard G. (Associate, 1914), Wks. Mgr., The Glenn L. Martin Co., 419 Guardian Bldg., Cleveland, and *for mail*, 2269 Grandview Ave., Cleveland Heights, O.
- BENEDICT, John G. (Associate, 1917), Treas. & Genl. Mgr., Landis Mch. Co., King & Garfield Sts., Waynesboro, Pa.
- BENET, Laurence V. (1892), Engr., V. P., Société Anonyme des anciens Etablissements Hotchkiss & Cie., 22 rue Caumartin, and *for mail*, 1 Ave. de Camoëns, Paris, France.
- BENJAMIN, Merrill G. (Associate-Member, 1918), Power Plant Engr., Youngstown Sheet and Tube Co., Youngstown, Pa.
- BENSTON, Carl A. (Associate-Member, 1918), Power Engr., Norton Co., and *for mail*, 16 Fairview Terrace, Worcester, Mass.
- *BENHAM, Webster L. (1916), Maj., U. S. A., Constr. Div. of the Army, Officer in Charge Utilities Constructing, Q. M., Camp Funston, Kan.; Pres. & Ch. Engr., Benham Engrg. Co., Colcord Bldg., Oklahoma City, Okla.
- BENJAMIN, Charles H. (1892), Vice-President, 1916-1918; Dean, Dir., Purdue Univ., Lafayette, and 607 University St., West Lafayette, Ind.
- BENJAMIN, Harrie L. (Junior, 1915), M. E., New Departure Mfg. Co., and *for mail*, 15 Lincoln Pl., Bristol, Conn.
- BENJAMIN, Louis S. (1916), Ch. Engr., Atlantic Sugar Refineries, Ltd., St. John, N. B., Canada.
- BENNER, Henry L. (1910; 1916), M. and E. E., 1235 Locust St., Secy., Treas., Am. Insulating Mchy. Co., Inc., Fairhill and Huntingdon Sts., Philadelphia, Pa.
- BENNETT, Arthur N. (1915), Supt. Safety Car Htg. & Ltg. Co., 215 12th St., and *for mail*, 215 Fairview Ave., Jersey City, N. J.
- BENNETT, Arthur R. (Junior, 1917), Narrows, Ky.
- BENNETT, Chas. W. (1904), Am. Sheet & Tin Plate Co., 1320 Frick Bldg., and 6300 Darlington Rd., Pittsburgh, Pa.
- BENNETT, Frederick (Associate, 1917), 1518 E. Madison St., Seattle, Wash.
- BENNETT, Geo. G. (1903; 1913), Mill Supt., Ludlow Mfg. Associates, and *for mail*, P. O. Box 1475, Ludlow, Mass.
- BENNETT, George L. (1905), Asst. to Pres., Knickerbocker Ice Co., B'way & 42nd St., New York, and 708 Ocean Ave., Bklyn, N. Y.
- BENNETT, Henry G. (1918), Genl. Mgr., Intl. Arms & Fuze Co., Bloomfield, and *for mail*, 312 Mt. Prospect Ave., Newark, N. J.
- BENNETT, Howard D. (1916), Cons. and Contr. Engr., 2114 Allendale St., Baltimore, Md.
- BENNETT, John C. (Associate, 1918), Wks. Mgr., Hampden Corundum

- Wheel Co., Fiske Ave., Brightwood, and *for mail*, 15 Dunmoreland Ave., Springfield, Mass.
- *BENNETT, John W. F. (1913), Maj., Constr. Div., Q. M. C., N. A.; Assoc. with Ernest P. Goodrich & A. Pearson Hoover, Cons. Engrs., 261 Broadway, and 1882 Grand Concourse, New York, N. Y.
- BENNETT, Joseph A. (1907), Supt. of Insp., Remington Arms Co., and 144 Beechmont Ave., Bridgeport, Conn.
- BENNETT, Leland W. (Associate-Member, 1918), M. E. Midvale Steel & Ord. Co., Nicetown, and 2237 Lehigh Ave., Philadelphia, Pa.
- BENNETT, R. M. (Junior, 1912), Foreman, Nordyke & Marmon Co., Kentucky Ave., & Norris St., and *for mail*, 920 W. Alabama St., or P. O. Box 964, Indianapolis, Ind.
- BENNETT, Robert G. (Associate-Member, 1914), M. M. Pittsburgh Div., Pa. R. R. Shops, 28th St., Pittsburgh, Pa.
- BENNETT, Thomas A. (Junior, 1903), Mgr. Sales Dept., The B. F. Goodrich Co., and 592 W. Market St., Akron, O.
- BENNETT, William B. (1918), Prod. Engr., Union Steel Casting Co., 62nd & Butler Sts., Pittsburgh, and *for mail*, 1051 Evergreen Ave., Millvale, Pa.
- BENNETT, William H. (1918), Rolling-Mill Supt., Clairton Wks., Carnegie Steel Co., Box 463, Clairton, Pa.
- BENNETT, Wilmer C. (Associate-Member, 1918), Str. Engr., 327 So. La Salle St., Chicago, Ill.
- BENNS, Charles P. (1898), Asst. Mgr., Underwriters Assoc., of D. C., 1016 Woodward Bldg., and 3303 Highland Pl., Washington, D. C.
- BENNY, Irwin H. (Associate-Member, 1917), Supt., Westinghouse Elec. & Mfg. Co., Lester, and *for mail*, 1706 N. 29th St., Philadelphia, Pa.
- BENSAMON, Edmond (Associate-Member, 1918), Mgr., Ref. Plant, Am. Chiclé Co., 363 Borden Ave., Long Island City, L. I., N. Y.
- *BENSEL, John A. (1917), Maj. E. C., O. R. C., U. S. A., and Bernardsville, N. J.
- *BENSON, Carl N. (Junior, 1918), Machinist, 2nd class, Navy, U. S. S. "Montclair," care of Postmaster, New York, N. Y., and *for mail*, 5 S. Beacon St., Hartford, Conn.
- BENSON, Harry L. (Associate-Member, 1918), Genl. Foreman, Mch. Shop, The Midvale Steel & Ordnance Co., Nicetown, and *for mail*, 1331 65th Ave., Philadelphia, Pa.
- *BENSON, Harvey S. (Junior, 1915), Capt., Ord. U. S. A., Insp. Div., Ord. Dept., 6th & B Sts., N. W., Washington, D. C., and 32 Rockledge Rd., Newton Highlands, Mass.
- BENSON, Robert F. A. (Junior, 1916), Instr. Tech. High School, and 13 W. Harris St., Chesterfield Apts., Atlanta, Ga.
- BENSON, Stuart W. (1913), Field Engr., Am. Steel & Wire Co., and 104 Woodside Ave., Trenton, N. J.
- BENSTER, L. Halsey (Junior, 1916), Tractor Engr., H. E. Fairman, and *for mail*, 2910 Brady St., Davenport, Ia.
- BENT, Stedman (Associate, 1916), Dist Mgr., Raymond Concrete Rifle Co., 2006 Finance Bldg., Philadelphia, Pa.
- BENTLEY, Harry T. (1913), Supt. M. P. and Mchy., Chicago & Northwestern Ry., Keeler Ave. and Kinzie St., Chicago, and *for mail* 425 Clinton Ave., Oak Park, Ill.
- BENTLEY, Joseph H. (Associate-Member, 1917), Bentley & Holmgren, 406 Court Exch. Bldg., Bridgeport, Conn.
- BENTLEY, Louis L. (1916), Supt., Armstrong Cork Co., and Park Pl., Beaver Falls, Pa.
- BENTLEY, Oliver D. H. (1910), Mgr. Engr. Turbine Dept., B. F. Sturtevant Co., Hyde Park, Mass.

- BENTON, Morris F. (Associate, 1903), M. E., Designer, Asst. Mgr. Genl. Mfg. Dept., Am. Type Founders Co., 300 Communipaw Ave., Jersey City, and 107 Crescent Ave., Plainfield, N. J.
- BENYON, George H., Jr. (1918), Ch. Draftsman & Asst. Engr., Wm. Sellers & Co., Inc., 1600 Hamilton St., and *for mail*, 252 Mather Rd., Jenkintown, Pa.
- BERANGER, Jos. P. (1915; Associate-Member, 1917), Ch. Engr., West India Management & Consultation Co., Inc., 129 Front St., and 207 W. 113th St., New York, N. Y., also 3816 Canal St., New Orleans, La.
- BERG, Christian P. (1913), Cons. Engr., 10 S. La Salle St., Chicago, Ill., and 38 Berkeley St., Springfield, Mass.
- BERG, Ernst J. (1913), Prof. E. E., Union Univ., Schenectady, N. Y.
- BERG, Hart O. (1898; 1903), Engr. 32 Ave., des Champs Elysees, Paris, France, and 7 Gracechurch St., London, E. C., England.
- *BERG, Henning J. (Junior, 1917), 2nd Lieut., Engr. Officer, Dept. of Military Aeronautics, A. S. M. E., 271st Aero Squadron, Aberdeen Proving Ground, Md., and *for mail*, 1840 Van Ness Ave., San Francisco, Cal.
- BERG, John D. (1914), V.-P., Dravo-Doyle Co., 1105 Diamond Bank Bldg., Pittsburgh, and *for mail*, Beaver Rd., Glen Osborne, Pa.
- BERG, P. T. (1890), Am. Vice-Consul General, No. 63, Strandvagen, Stockholm, Sweden.
- BERGE, George H. (Associate, 1913), Dist. Mgr., Murphy Iron Wks., 1005 Morgan Bldg., and 273 Richmond Ave., Buffalo, N. Y.
- BERGEN, Harry S. (1916), Asst. Supt., Toledo Scale Co., Monroe and Albion Sts., and 10 La Florence Apts., Toledo, O.
- BERGER, Franz A. (1909), Asst. Prof. M. E., Washington Univ., St. Louis, Mo.
- BERGER, Joseph W. (1913), Inspc. Mech. Equip., U. S. War Dept., Inspc. Div., Q. M. Dept., 1017 Maritime Bldg., and *for mail*, 561 W. 162nd St., New York, N. Y.
- BERGER, Julius G. (Associate-Member, 1914), Ch. Engr., Wm. Gordon Corp'n., Real Estate Trust Bldg., Philadelphia, and *for mail*, 112 Essex St., Narbareth, Pa.
- BERGEY, John E. (1913), Leading Ordnance Draftsman, Navy Dept., Philadelphia Navy Yard, and *for mail*, 119 S. 63d St., Philadelphia, Pa.
- BERGGREN, Axel E. (Associate-Member, 1915), Asst. Prof. Steam and Gas Engrg., Univ. of Wis., and *for mail*, 27 W. Dayton St., Madison Wis.
- BERGLAND, Eric L. (1917), Engr., E. I. du Pont de Nemours & Co., du Pont Bldg., and 2616 W. 16th St., Wilmington, Del.
- BERGLAND, William S. (Associate-Member, 1918), Engr., Operative Engrg. Div., E. I. du Pont de Nemours & Co., Wilmington, Del.
- BERGMAN, Carl A. (1916), Eng. Dept., Delicias, Oriente, Cuba.
- BERGMAN, Julius G. (1915), M. E., David Cole, Cons. Engr., 1211 Mills Bldg., and 900 Cliff St., El Paso, Tex.
- BERGMAN, L. H. (1916), V.-P., American Industrial Engrg. Co., 452-53 Monadnock Bldg., Chicago, Ill.
- BERGQUIST, John G. (1912), Cons. Engr., Brymptonwood, Glen Head, L. I., N. Y.
- *BERGSTROM, Harry E. (Junior, 1916), Lieut., Co. B. 69th Engrs., A. E. F., France, via New York.
- BERKOWITZ, Benj. (Junior, 1917), Asst. Engr. of Tests, U. S. Govt., Hull Div., Navy Yard, Brooklyn, N. Y., and *for mail*, 61 Park St., Orange, N. J.
- BERLINER, Edgar M. (Associate-Member, 1918), Director, Berliner Gramophone Co., Ltd., Montreal, P. Q., Canada.

- *BERLINER, Richard W. (1903, 1913), Maj., Comdg. Supply Train 306, 81st Div., U. S. A., and *for mail*, 460 W. 147th St., New York, N. Y.
- *BERNARD, Harold B. (Junior, 1915), 2nd Lieut., C. A., Coast Art. Sch., Quarters T-2A, Ft. Monroe, Va., and 423 W. 120th St., New York, N. Y.
- BERNARD, James L. (1902), M. E., Am. Bridge Co., Frick Bldg., Pittsburgh, and 477 Second St., Beaver, Beaver Co., Pa.
- BERNHARD, John H. (Associate-Member, 1914), Pres., Inland Navigation Co., Inc., 52 Broadway, and 158 W. 81st St., New York, N. Y.
- BERNHARD, Richard (Junior, 1901), Hotel Traylor, Allentown, Pa.
- BERNNER, Milton St. John (Junior, 1918), M. E., 46 Whitney Ave., Elmhurst, L. I., New York.
- *BEROLZHEIMER, Henry (Junior, 1918), 2nd Lieut., F. A. R. D., Camp Zachary Taylor, Ky., and *for mail*, 21 W. 75th St., New York, N. Y.
- BERRENERBERG, Reinold (1913), Cons. Engr., Am. Rotary Pump Co., 1153 Old South Bldg., Boston, and *for mail*, 16 Thwing St., Roxbury, Mass.
- BERRESFORD, Arthur W. (1911), V. P., Genl. Mgr., The Cutler-Hammer Mfg. Co., P. O. Box 1564, and 201 Prospect Ave., Milwaukee, Wis.
- BERRIAN, Henry C. (1912; Associate-Member, 1918), Federal Ship-building Co., 54 Dey St., New York, and *for mail*, 1058 Bergen St., Brooklyn, N. Y.
- BERRY, Arthur O. (1914), Senior M. E., Interstate Commerce Com., Municipal Bldg., and 451 Oak St., Chattanooga, Tenn.
- BERRY, Edgar H. (1905; 1907), address unknown.
- BERTHOLD, George H. E. (Associate-Member, 1917), Supt. Rajah Auto-Supply Co., Bloomfield, and *for mail*, 106 S. 12th St., Newark, N. J.
- BERTRAM, H. Graham (Associate-Member, 1916), M. E., John Bertram & Sons Co., Ltd., Dundas, Ont., Canada.
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- *BESSE, Eldred E. (Junior, 1914), Capt., Ord. Dept., N. A., 5009 Wisconsin Ave., Washington, D. C.
- BEST, Jesse L. (Junior, 1914), M. E., So. Ill. Light & Power Co., Genl. Office, 805 Central Natl. Bank Bldg., St. Louis, Mo., and *for mail*, 630 Fairmont Pl., Hillsboro, Ill.
- BEST, William E. (1916), Supt. Mfg., The Remington Arms Co., and 3265 Main St., Bridgeport, Conn.
- BEST, William J. (1910), Treas., Wheeler Condenser & Engrg. Co., 2406 Singer Bldg., New York, N. Y.
- BEST, Dr. William N. (1912), Pres., W. N. Best, Inc., 11 Broadway, New York, Gov't work in: Dept. of U. S. Fuel Administration, Oil Division, and 383 Gates Ave., Brooklyn, N. Y.
- BETH, Hugo W. H. (1912), Prod. Engr., Norton Co., New Bond St., and 39 Burncoat St., Worcester, Mass.
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- BETTIS, William I. (1916), Cons. Engr., The Layne & Bowler Corp., 900 Santa Fe Ave., and *for mail*, 1042 W. 31st St., Los Angeles, Cal.
- *BETTS, Philander (1912), Lieut. Col., Q. M. C., Constr. Div., 7th & B Sts., S. W., Washington, D. C., and 238 Valley Rd., Montclair, N. J.
- BETTS, Walter L. (Junior, 1916), Engr., West Elec. Co., 463 West St., New York, and *for mail*, 114 Bainbridge St., Brooklyn, N. Y.

- BEUST, Cecil J. (Junior, 1918), Mech. Dept., Drawer No. 188, U. S. Nitrate Plant No. 2, Muscle Shoals, Sheffield, Ala.
- BEUTER, Arthur J. (Associate, 1917), N. W. Rep., Baldwin Loco. Wks., 313 Northwestern Bank Bldg., and 166 St. Clair St., Portland, Ore.
- BEVER, John J. (Associate, 1915), Mgr. Fdy. Dept., The Otis Steel Co., Cleveland, and *for mail*, 17480 Clifton Blvd., Lakewood, O.
- *BEVIN, Sydney (Junior, 1909), Capt., Ord. Dept., Engineering Div., Washington, D. C.
- BEVIN, Victor DeL. (Junior, 1918), Ship Supt., United Filters Corp., 36 Flatbush Ave., Ext., Brooklyn, and *for mail*, 150 W. 76th St., New York, N. Y.
- BEYER, David S. (1917), Mgr. Safety Engrg. Dept., Mass. Employees Ins. Assoc., 185 Devonshire St., Boston, Mass.
- BEYER, Edmond P. W. (Junior, 1918), Designer, Gifford-Wood Co., and *for mail*, 93 N. 5th St., Hudson, N. Y.
- *BEYER, Otto S., Jr. (Junior, 1913), Capt., U. S. A., 3221 13th St., N. W., Washington, D. C.
- BIBBINS, James R. (1904; 1909), Engr. with Bion J. Arnold, 105 S. La Salle St., and *for mail*, 1127 Columbia Ave., Chicago, Ill.
- BICKETT, Charles A. (1918), Pres., The Bickett Mch. & Mfg. Co., 1118 Richmond St., Cincinnati, O.
- *BICKLEY, Creighton D. (Junior, 1916), 2nd Lieut., Utility Q. M. C., Camp Dix, N. J.
- BICKLEY, John H. (1918), Designing Hyd. Engr., W. H. Wood, Media, and *for mail*, 1425 Perkiomen Ave., Reading, Pa.
- BICKLEY, John H., Jr. (Junior, 1917), Industrial Engr., Willard Case & Co., 17 Battery Pl., and *for mail*, 3099 Broadway, New York, N. Y.
- BIDDISON, P. McDonald (1915; 1917), Constr., Engr., The Ohio Fuel Supply Co., 52 W. Gay St., and *for mail*, 836 N. Park St., Columbus, O.
- BIDERMANN, Frederick A. (Junior, 1918), Jr. Engr., Bureau of Engrg., 2100 Municipal Bldg., and *for mail*, 2194 Washington Ave., New York, N. Y.
- BIDLE, William S. (1904), Pres., Treas., The W. S. Bidle Co., 1411 E. 45th St., and *for mail*, 1809 E. 93d St., Cleveland, O.
- BIDWELL, Carlyle D. (1913), Plant Engr., Intl. Harvester Co., and *for mail*, 3528 State St., Milwaukee, Wis.
- BIDWELL, Paul W. (Associate, 1916), B. F. Perkins & Son, Inc., and 36 Pleasant St., Easthampton, Mass.
- BIEBLER, Conrad A. (Associate, 1914), Sales Engr., Hyatt Roller Bearing Co., and *for mail*, 1415 Majestic Bldg., Milwaukee, Wis.
- BIERBAUM, Christopher H. (1894; 1898), Life Member; Bierbaum-Dollar, V. P., Lumen Bearing Co., 1011 Mutual Life Bldg., and 84 Fargo Ave., Buffalo, N. Y.
- BIGELOW, Carle M. (1917; Associate-Member, 1918), Ch. Industrial Engr., Cooley & Marvin Co., 711 Tremont Bldg., Boston, and *for mail*, 16 Chestnut Terrace, Newton Center, Mass.
- BIGELOW, Charles H. (1904), Ch. M. E., Millville Mfg Co., Ch. M. E., Millville Traction Co., and 917 Columbia Ave., Millville, N. J.
- BIGELOW, Frank B. (1907), Treas. and Genl. Mgr., Murphy Iron Wks., foot of Walker St., and 3061 West Grand Blvd., Detroit, Mich.
- BIGELOW, Myron J. (1904), Cons. Engr., 557 Fairfield Ave., Akron, O.
- BIGELOW, Pierrepont (Junior, 1914), Treas. The Bigelow Co., 60 Lloyd St., and 195 Lawrence St., New Haven, Conn.
- BIGGERT, F. C., Jr. (1916), Ch. Engr., United Engrg. & Fdy. Co., Farmers' Bank Bldg., Pittsburgh, and *for mail*, 108 Hawthorne Ave., Crafton, Pa.

- BIGGS, Elias D. (Junior, 1913), 913 N. 2nd St., Albuquerque, N. M.
- BIGGS, William E. (1917), M. M., Ch. Engr., Aluminum Co. of Am., Maryville, Tenn.
- BIGLOW, Lemuel O. (1915), The Chas. A. Schieren Co., Engrg. Dept., 34 Ferry St., New York, N. Y., and *for mail*, 405 Union Ave., Cranford, N. J.
- BILGER, Henry E. (1916), Supt., Tools and Gauges, The Baldwin Loco. Wks., 500 N. 15th St., and *for mail*, 505 N. 21st St., Philadelphia, Pa.
- BILGRAM, Hugo (1885), Pres., Bilgram Mch. Wks., 1217-35 Spring Garden St., and 751 N. 40th St., Philadelphia, Pa.
- *BILLINGS, A. W. K. (1909), Lieut. Comdr., U. S. N. R. F., Apartado 491, Barcelona, Spain.
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- BILLINGS, David L. (Associate, 1916), Compt. Dominion Chain Co., Ltd., Niagara Falls, and *for mail*, University Club, Fifth Ave. and 54th St., New York, N. Y.
- BILLINGS, Edward J. (1912; 1917), Engr., Henry L. Doherty & Co., 60 Wall St., New York, N. Y.
- BILLINGS, Frederic C. (1891), Pres., Genl. Mgr., The Billings & Spencer Co., 1 Laurel St., and Hotel Heublein, Hartford, Conn.
- BILLINGS, J. Harland (1914; Associate-Member, 1917), Lecturer Mch. Design, Univ. of Toronto, Toronto, and *for mail*, Weston, Ont., Canada.
- BILLINGTON, Ronald V. (Junior, 1917), Asst. Engr., Genl. Ordnance Co., 1400 W. Colfax Ave., and *for mail*, 2522 Race St., Denver, Colo.
- *BILMYER, Carroll D. (Junior, 1916), Lieut., Inf., U. S. A., Personnel Adj., S. A. F. C. Unit, Throop College of Tech., Pasadena, Cal.
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- BILLWILLER, Charles J., Jr. (Associate-Member, 1913), Engr., W. R. Grace & Co., 7 Hanover Square, New York, N. Y.
- BILTON, Clarence E. (1914), Pres., The Stand. Mfg. Co., 990 Housatonic Ave., Bridgeport, Conn.
- BILYEU, William F. (1917), Mgr. Feed-water Heater Dept., Warren Webster & Co., Camden, and *for mail*, Riverton, N. J.
- BIMESTEFER, John, Jr. (Associate-Member, 1918), Designing Draftsman, Bethlehem Steel Co., Maryland Steel Plant, Sparrows Pt., and *for mail*, Eastern Ave. Rd., E. of North Pt. Rd., Colgate P. O., Balto Co., Md.
- BINCKES, Frederick J. (Associate-Member, 1916), Ch. Draftsman, Dominion Iron & Steel Co., Ltd., and 849 George St., Sydney, N. S., Canada.
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- BIRCH, G. Birger (1916), Secy., Cameron Mch. Co., 61 Poplar St., and *for mail*, 1072 Carroll St., Brooklyn, N. Y.

- BIRD, J. Philip (1914), Rm. 932, 30 Church St., New York, N. Y.
- BIRD, John B. (1913), Secy., Ch. Engr., Joseph Bancroft & Sons Co., and *for mail*, "Hillcroft," Wilmington, Del.
- BIRD, John C. (1910), M. E., Union Steam Pump Co., and *for mail*, 46 Howland St., Battle Creek, Mich.
- BIRD, John D. (1891; 1905), Genl. Mgr., Power & Min. Mchy. Co., Internatl. Gas Eng. Co., and 596 Summit Ave., Milwaukee, Wis.
- BIRD, Paul P. (1907), Norton, Bird & Whitman, 111 W. Monroe St., Chicago, and Winitka, Ill.
- BIRD, William W. (1889; 1891), Prof. M. E., Dir. Washburn Shops, Worcester Poly. Inst., and 10 Harvard St., Worcester, Mass.
- BIRDSEY, Charles R. (1907; 1916), Ch. Engr., U. S. Gypsum Co., 205 W. Monroe St., Chicago, Ill.
- *BIRDSEYE, Garner K. (Junior, 1916), First Class Private, Aviation Sec., Signal Corps, U. S. A.; Foreman, British Bullet Wk., Remington Arms Union Metallic Cartridge Co., and *for mail*, 1061 Iranistan Ave., Bridgeport, Conn.
- *BIRNIE, Rogers (1913), Col., U. S. A., Intl. Arms & Fuze Co., 511 Fifth Ave., New York, N. Y.
- BISBEE, D. A. (1916), Factory Supt., Duplex Eng., Governor Co., 36 Flatbush Ave., Ext., and *for mail*, 506 Ave. C., W., Brooklyn, N. Y.
- BISHOP, Charles R. (1903), Secy., Genl. Mgr., Am. Dist. Steam Co., North Tonawanda, and 413 Locust St., Lockport, N. Y.
- BISHOP, Clarence A. (Associate, 1918), Curtiss Aeroplane Co., Buffalo, Pres. & Genl. Mgr., The Bishop Calculating Recorder Co., and *for mail*, 233 Broadway, New York, N. Y.
- BISHOP, Ernest B. (1916), Exper. Designer, Remington Typewriter Co., and *for mail*, Box 53, Iliou, N. Y.
- BISHOP, Ernest W. (Associate-Member, 1918), Engr., Manual Apparatus Div., West. Elec. Co., Inc., 463 West St., New York, N. Y.
- BISHOP, Frank (1907; 1910), Supt., Haskellite Mfg. Corp., Rowe St., and 501 E. Court St., Ludington, Mich.
- BISHOP, Wm. Robert (Junior, 1918), Jr. Engr., Gauge Dept., Remington Arms and *for mail*, 325 Norman St., Bridgeport, Conn.
- *BISSELL, Albert W. (1914; Associate-Member, 1918), Candidate, F. A., 9th Training Battery, Camp Taylor, Ky., Fuel & Iron Co., Pueblo, Colo., and *for mail*, 36th & Chestnut St., Philadelphia, Pa.
- BISSELL, Geo. W. (1890; 1899), Dean of Engrg., Mich. Agri. College, East Lansing, Mich.
- BITTERLICH, Walter J. (1906; 1913), Plant Engr., Hood Rubber Co., 98 Nicholas Ave., and *for mail*, 42 Spruce St., Watertown, Mass.
- BIXBY, Walter (Junior, 1907), 601 Washington St., Dorchester, Mass.
- *BIXBY, William H. (1888), Life Member, Brig. Gen., U. S. A., Retired, 508 Federal Bldg., Chicago, Ill.
- BIXBY, William P. (1908; 1916), Blaw-Knox Co., Box 915, Pittsburgh, Pa.
- *BIXBY, Winfred H. (Junior, 1915), Lieut., Depot Engr., Base 6, U. S. A. P. O. No. 752, France.
- BIXLER, Harry Z. (1907), Ch. Engr., The Brier Hill Steel Co., and *for mail*, 213 Arlington St., Youngstown, O.
- BJORGE, Oscar B. (1916; 1918), Ch. Engr., Clyde Iron Wks., and *for mail*, 1535 Woodland Ave., Duluth, Minn.
- BJORK, Carl G. (Associate-Member, 1914), Squad Chief, Stone & Webster, 147 St., Boston, and 37 Westmoreland St., Dorchester, Mass.
- BJORNSSON, Carl A. (1915), Wks. Mgr., McEwen Bros., 4 N. Main St., and 355 W. State St., Wellsville, N. Y.

- BLACK, Alexander L. (1915), Ford, Bacon & Davis, 921 Canal St., and *for mail*, 4204 St. Charles Ave., New Orleans, La.
- BLACK, Charles A. (1915), R. F. D. No. 2, Charlottesville, Va.
- BLACK, Edgar N., 3d (Associate-Member, 1914), M. E., Automobile Sales Corp'n, and *for mail*, 1533 Locust St., Philadelphia, Pa.
- BLACK, Edward S. (1903), Cons. Engr., Am. Manganese Steel Co., 1850 McCormick Bldg., and 7314 Harvard Ave., Chicago, Ill.
- BLACK, George (Associate-Member, 1914), Shop Engr., Associated Equip. Co., Walthamstow, London, N. E., and *for mail*, "Ringstead," Old Church Rd., Chingford, London, N. E., England.
- *BLACK, John S. (1918), Maj., Ord. Dept., U. S. A., 505 Pelham Courts, Washington, D. C.
- BLACK, Winfield S. (Associate-Member, 1914), Engr., Am. Sugar Refining Co., 49 S. 2nd St., and *for mail*, 578 Bedford Ave., Brooklyn, N. Y.
- BLACKALL, Fredrick S. (1913), V. P., Genl. Mgr., Taft-Pierce Mfg. Co., Woonsocket, R. I., and St. James Hotel, and *for mail*, 233 Broadway, New York, N. Y.
- BLACKBURN, Arthur H. (1894), Ch. Engr., Under Feed Stoker Co., of Am., 1807 Harris Trust Bldg., Chicago, and 160 Randall St., Downer's Grove, Ill.
- BLACKBURN, Bryan M. (Associate-Member, 1914), Ch. Engr., R. D. Cole Mfg. Co., and 75 E. Broad St., Newnan, Ga.
- BLACKBURN, Charles H. (Junior, 1915), Engr., Hormiguero Central Corp., 63 Wall St., and 156 Sherman Ave., New York, N. Y.
- BLACKBURN, William A. (1915), Mgr., Bryant Mfg. Co., 1025 Menard St., Chicago, Ill.
- BLACKFORD, Ralph E. (Junior, 1916), Gage Designer, U. S. Ord., 6th & Missouri Ave., and *for mail*, 1408 Delafield Pl., N. W., Washington, D. C.
- BLACKMAN, G. Horton (Junior, 1913), Prod. Engr., Ord. Dept., Treas., Bowman-Blackman Mch. Tool Co., 1513 N. Broadway, and *for mail*, 5843 Bartner Ave., St. Louis, Mo.
- BLACKMER, Waldo H. (Associate-Member, 1918), Wks. Serv. Mgr., Elec. Cable Co., and *for mail*, Univ. Club, Bridgeport, Conn.
- BLAINE, Joseph R. (1917), M. E., Miehle Printing Press & Mfg. Co., 14th and Robey Sts., Chicago, and 307 S. Scoville Ave., Oak Park, Ill.
- BLAIR, Frank M. (1913), Ch. Engr., American Motor Truck Co., Newark, Ohio.
- BLAIR, George, Jr. (1915), Sales Engr., McClave-Brooks Co., Scranton, and *for mail*, Aldan, Delaware Co., Pa.
- BLAIR, William R. (1911), Wks. Mgr., The Measuregraph Co., 1819 Olive St., St. Louis, and 473 Oakwood Ave., Webster Groves, Mo.
- BLAISDELL, Allen H. (Junior, 1912), Instr., Mech. Engrg., Carnegie Inst. for Tech., and *for mail*, 98 Trenton Ave., Pittsburgh, Pa.
- BLAISDELL, B. H. (1909), Ch. Engr., Manila Elec. R. R. & L. Co., and "Somerville," Isla de Provisor, Manila, P. I.
- *BLAKE, Alfred D. (Associate-Member, 1914), Maj., Ord. Dept., U. S. A., Engrg. Div., Bldg. E, 6th & B Sts., Washington, D. C., and 4 Ohio Place, West New Brighton, S. I., N. Y.
- BLAKE, Charles S. (1912), Pres., The Hartford Steam Boiler Inspec. & Ins. Co., 56 Prospect St., and *for mail*, 496 Farmington Ave., Hartford, Conn.
- BLAKE, Edmund E. (1913), Agt., Saco-Lowell Shops, Biddeford, and Saco, Me.
- BLAKE, Francis E. (Junior, 1901), M. E., State Barge Canal Office, New Lyon Block, Albany, and Delmar, Albany Co., N. Y.
- BLAKE, Frank C. (Junior, 1915), E. I. Du Pont de Nemours & Co., Pompton Lake, N. J., and *for mail*, 9 Searle St., Providence, R. I.

- BLAKELEY, George H. (1907), Mgr. Struc.-Steel Dept., Bethlehem Steel Co., and *for mail*, 509 Delaware Ave., South Bethlehem, Pa.
- BLAKELEY, Gerald W. (Junior, 1917), Power Specialties Engr., H. W. Johns-Manville Co., 55 High St., Boston, and *for mail*, 400 Charles River Rd., Cambridge, Mass.
- BLAKEMAN, John W. (Associate-Member, 1914), Supt., British-American Metal Co., So. 2nd St., and *for mail*, 928 W. 6th St., Plainfield, N. J.
- *BLAKEMAN, Samuel P. (Junior, 1916), Ensign, U. S. N. R. F., Industrial Div., Nav. Dist. Base, New London, Conn.; M. E., Combustion Engrg. Corp., 11 Bdway., New York and *for mail*, 1921 Bergen St., Brooklyn, N. Y.
- BLAKEMAN, Winfield W. (1913), Supt., The Blanchard Mch. Co., 64 State St., Cambridge, and *for mail*, 19 Prospect Hill Ave., Somerville, Mass.
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- BLAKESLEE, Howard R. (Associate-Member, 1918), Asst. M. M., The Am. Brass Co., Benedict & Burnham Branch, 736 S. Main St., Waterbury, and *for mail*, Box 265, Northfield, Conn.
- BLAKESLEE, Russell C. (1917), Mech. Supt., Chase Metal Co., Inc., and *for mail*, 68 Elmwood Ave., Waterbury, Conn.
- BLAKESLEE, Walter A. (Junior, 1917), Foreman, Turbine Test, Westinghouse Elec. and Mfg. Co., Mch. Wks., E. Pittsburgh, and 524 Trenton Ave., Wilkinsburg, Pa.
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- BLANCHARD, Edward J. (Associate-Member, 1917), Young, Corley & Dolan Inc., 115 Broadway, New York, and 1040 E. 15th St., Brooklyn, N. Y.
- BLANCHARD, H. W. (1909), Mgr., Austral Iron Wks., E. W. Tarry Co., Ltd., P. O. Box 1098, Johannesburg, and "Whiddon," c/o Park & Princess Sts., Belgravia, S. Africa.
- BLANCHARD, Rollo K. (1912; Associate-Member, 1914), Engr., Neptune Meter Co., 50 E. 42nd St., and 32 W. 40th St., New York, N. Y.
- BLANCHARD, Walter J. (Associate-Member, 1918), Engr., The Dryer Co., 2031 Euclid Ave., and 1434 E. 82nd St., Cleveland, Ohio.
- BLAND, John P. (1901), Printer, Ch. Engr., The Times, and *for mail*, 41 Western Gardens, Ealing, W. 5, London, England.
- BLANDING, Forrest H. (1914), Supt., Otis Elevator Co., Ord. Wks., 15th & Laffin Sts., and *for mail*, 5436 Ferdinand St., Chicago, Ill.
- BLANDING, Robert L. (1913), M. E., Jenks & Ballou, 735 Grosvenor Bldg., Providence, and *for mail*, 21 Rhodes Ave., Cranston, R. I.
- *BLANK, Bernard (Junior, 1916), 309th Inf., Co. "D," A. E. F., France, and *for mail*, Clementon, N. J.
- BLANKENHORN, George S. (1906; 1913), Engr. Wilson Snyder Mfg. Co., 215 Drexel Bldg., and The Covington, Philadelphia, Pa.
- BLASDELL, Arthur F. (1912), Mfg. Supt., Genl. Elec. Co., and *for mail*, 191 Bartlett Ave., Pittsfield, Mass.
- BLATCHLEY, Chas. A. (1906), Cons. Engr., 1052 Drexel Bldg., Philadelphia, Pa., and 47 Walnut St., Haddonfield, N. J.
- *BLECKLEY, Logan, Jr. (Junior, 1917), Prvt., Sig. C., 7th Serv. Co., Ellington Field, Houston, Texas, and *for mail*, 611 Piedmont Ave., Atlanta, Ga.
- *BLEE, Harry H. (Associate-Member, 1913), Capt., Air Serv., N. A. Airplane Engrg. Dept., Bureau of Aircraft Prod., McCook Field, Dayton, O.
- BLESSING, George F. (1913), Prof. Charge of Engrg., Swarthmore College, and *for mail*, 6 Whittier Pl., Swarthmore, Pa.

- BLEYER, Chas. F. (Junior, 1909), Erecting Engr., Allis-Chalmers Mfg. Co., 814 Frick Bldg., Pittsburgh, Pa., and *for mail*, 3820 Riverside Ave., S. W., Cleveland, O.
- BLICKMAN, John A. (1915), Asst. Supt., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 612 Hill Ave., Wilkinsburg, Pa.
- BLINN, Edward R. (Associate-Member, 1918), Supt. of Constr. & Maintenance, The Solvay Process Co., and *for mail*, 529 Tompkins St., Syracuse, N. Y.
- BLISS, Charles E. (1912), Bliss & Lavalley, 274 Main St., and 93 Garfield St., Springfield, Mass.
- BLISS, Collins P. (1903), Prof. M. E., N. Y. Univ., and *for mail*, 2208 Andrews Ave., New York, N. Y.
- *BLISS, Edwin C. (1908), Lieut. U. S. N. R. F., and *for mail*, 69 Mulberry St., Pawtucket, R. I.
- BLIXT, Gustaf F., Jr. (Junior, 1916), Foreman of Drafting Rm., J. Edward Ogden Co., 147-149 Cedar St., New York, N. Y., and *for mail*, 349 Graham Ave., Paterson, N. J.
- BLOCK, Louis, (1913), Cons. Engr., 45 E. 42d St., New York, and Mamaroneck, N. Y.
- *BLOHM, August H. (Associate-Member, 1917), Lieut., Ord. Dept., U. S. A., Ord. Motor Instr. Sch., Raritan Arsenal, Metuchen, N. J.; Designer, The Adder Mch. Co., 533 Canal St., New York, and *for mail*, 629 E. 28th St., Brooklyn, N. Y.
- BLOMGREN, Herbert (Associate-Member, 1918), Asst. M. E., Westinghouse, Church, Kerr & Co., 37 Wall St., New York, and *for mail*, 35 Maple Court, Brooklyn, N. Y.
- BLOOD, Bryant H. (1917), Genl. Mgr. Pratt & Whitney Co., and 27 Gillett St., Hartford, Conn.
- BLOOD, Chas. W. H. (1902), V. P., Treas., S. A. Woods Mch. Co., Damrell St., South Boston, and *for mail*, 19 Floyd St., Winthrop, Mass.
- BLOOD, Harold L. (Junior, 1917), Asst. Engr., Niles-Bement-Pond Co., and *for mail*, 904 Stelle Ave., Plainfield, N. J.
- BLOOD, Laurence E. (Junior, 1916), Supt. S. A. Woods Mch. Co., 27 Damrell St., and 126 St. Botolph, Boston, Mass.
- BLOOD, Louis H. (1905), Engr., Oesterlein Mch. Co., and *for mail*, 5300 Hamilton Ave., Cincinnati, Ohio.
- BLOSSOM, Francis (1902), Partner, Sanderson & Porter, 52 William St., New York, N. Y.
- BLUE, Edward W. (Junior, 1918), Scovell, Wellington & Co., 110 State St., Boston, and *for mail*, 243 California St., Newton, Mass.
- BLUM, Arthur N. (1909), M. E., E. E., Tech. Adviser, Ch. Engr., Henry Disston & Sons, Inc., Tacony, and *for mail*, The Delmar-Morris, Cheltenham Ave., Germantown, Philadelphia, Pa.
- BLUM, Joseph K. (Junior, 1909), Secy., Treas., K-B Pulverizer Co., Inc., 86 Worth St., and *for mail*, 241 W. 108th St., New York, N. Y.
- *BLUMENFELD, R. (1913; Associate-Member, 1916), 2nd Lieut., O. O. R. C., 3325 18th St., N. W., Washington, D. C.
- BLUMGARDT, Isaac E. (1908; 1918), Prod. Engr., Ord. Dept., U. S. A., Liberty Bldg., Bridgeport, Conn., Dist., and *for mail*, 130 Claremont Ave., New York, N. Y.
- BLUNDELL, Eustace E. (Associate-Member, 1917), Factory Mgr., The Cleveland Automatic Mch. Co., 2269 Ashland Rd., and *for mail*, 3014 Overlook Rd., Cleveland, O.
- *BOARDMAN, Albert J. (Associate-Member, 1916), Capt., Ord. Dept., U. S. A., care of Ch. Ord. Army, Army P. O. 717, A. E. F., France, and *for mail*, 209 Traction Bldg., Indianapolis, Ind.
- BOBLETT, Kinderman M. (Associate, 1911), Production Expt., The Buick

- Motor Co., and The Willys Overland Co., and *for mail*, 626 Nessel St., Toledo, O.
- BOCKIUS, Charles A. (Associate-Member, 1914), 5151 Wayne Ave., Philadelphia, Pa.
- BOCKIUS S. Atlee (1917), Contg. Engr., S. A. Bockius Co., 1501 Oliver Bldg., and 6688 Kinsman Road, Pittsburgh, Pa.
- *BODENSTEIN, William E. (Junior, 1916), 2nd Lieut., C. W. S. U. S. A., Edgewood Arsenal, Edgewood, Md.
- BODINE, Alfred V. (Junior, 1916), U. S. Govt., Watervliet Arsenal, Watervliet, and *for mail*, 7 Warren Ave., Troy, N. Y.
- BODINSON, Lars W. (1916), Ch. Engr., The Am. Well Wks., and *for mail*, 218 Grant Pl., Aurora, Ill.
- BODKIN, Harry G. (Junior, 1918), Tool Designer, Midvale Steel & Ord. Co., Nicetown Wks., and *for mail*, 1824 N. Natrona St., Phila., Pa.
- BODWELL, Howard L. (1907), Asst. Dist. Mgr., Am. Sheet & Tin Plate Co., Vandergrift, Pa.
- BOEHM, Wm. H. (1900), Supt. Depts. Steam Boiler and Fly Wheel Ins., V. P., Fidelity & Casualty Co., 92 Liberty St., and 281 Edgecombe Ave., New York, N. Y.
- BOEHMER, E. Julius (Associate-Member, 1917), Ch. Engr., Rice-Stix Dry Goods Co., 10th & St. Charles St., and *for mail*, 2321a Ann Ave., St. Louis, Mo.
- BOEHNLEIN, Charles (Junior, 1918), 2004 Grand Ave., S., Minneapolis, Minn.
- BOENIG, Robert W. (1892; 1909), Secy., Engr., Domestic Chem. Co., Gardner and Maspeth Ave., and *for mail*, 157 Meeker Ave., Brooklyn, N. Y.
- *BOETTGER, Robert (1912), 1st Lieut. E. O. R. C., Secy., Selas Co., 521 W. 23d St., New York, and *for mail*, 131 Alta Ave., Park Hill, Yonkers, N. Y.
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- BOGART, Albert L. (1913), Pres., Power Engrg. Co., 512 Corn Exch. Bldg., and 72 W. Minnehaha Parkway, Minneapolis, Mich.
- BOHANNON, Geo. L. (Associate-Member, 1918), Ch. Engr., The Youngstown Steel Car Co., 1609 Wilson Ave., and *for mail*, Y. M. C. A. Bldg., Youngstown, O.
- BOHN, Gebhard C. (Associate, 1915), V. P., White Enamel Refrigerator Co., 1400 University Ave., 1405 Summit Ave., St. Paul, Minn.
- BOHN, Robert G. (Junior, 1916), Asst. Operating Engr., Ill. Traction System, Mayer Bldg., and *for mail*, 428 E. Arcadia Ave., Peoria, Ill.
- *BOHNSTENGEL, Walter (Junior, 1915), 109th Mobile Ord. Repair Shop, Camp Dix, N. J., and *for mail*, Test Dept., A. T. & S. F. Ry., Topeka, Kan.
- BOIES, Harry B. (Junior, 1918), Inspec. Airplanes & Airplane Engines. Signal Service at Large, and *for mail*, 1215 Manor Ave., Woodhaven, N. Y.
- BOLE, Wm. A. (1887), V. P., Charge of Mfr., The Westinghouse Mch. Co., East Pittsburgh, and *for mail*, 722 S. Negley Ave., Pittsburgh, Pa.
- BOLES, Chalmers B. (Junior, 1914), Engrg. Dept., Wilson & Co., 41st and Ashland Ave., and 1532 E. 68th St., Chicago, Ill.
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- BOLLER, Alfred P., Jr. (1901), 80 Prospect St., East Orange, N. J.
- *BOLLES, Frank G. (Associate, 1901), Maj., Ord. O. R. C., U. S. A., care of Ord. Officer, Field 717, A. E. F., France.
- BOLLING, John E. (Junior, 1918), Ch. Engr., Drying Systems, Inc., 322 N. Michigan Ave., Chicago, Ill.

- BOLLING, Stewart, Jr. (Junior, 1912), Chicago Dist. Mgr., Southwark Fdy. & Mch. Co., 80 E. Jackson Blvd., and 6539 Drexel Ave., Chicago, Ill.
- BOLTON, Fred. Charles (Associate-Member, 1918), Tool Designer, Colt's Patent Fire Arms Co., Meriden, Conn., and *for mail*, 587 Worthington St., Springfield, Mass.
- BOLTON, John W., Jr. (Junior, 1916), Farmer, R. F. D. No. 11, Penacook, N. H.
- BOLTON, Reginald P. (1898), Pres., The R. P. Bolton Co., 55 Liberty St., and 638 W. 158th St., New York N. Y.
- *BOLTON, Wright, Jr. (Junior, 1917), Ch. Machinists Mate, U. S. Nav. Avia. Sta., Pamillac, Geronde, France
- BONAWIT, David J. (Junior, 1916), Draftsman Q. & C. Co., 90 West St., New York, and *for mail*, 268 New York Ave., Brooklyn, N. Y.
- *BOND, Francis M. (1909; 1915), Maj., Ord. Dept., N. A., Army Inspec. of Ord., The Pullman Co., Pullman, Ill.
- BOND, Geo. M. (1881), Manager, 1888-1891; Vice-President, 1908-1910; M. E., 69 Washington St., Hartford, Conn.
- BOND, John M. (Associate-Member, 1917), Fdy. Engr., The Holt Mfg. Co., and *for mail*, 1335 E. Roosevelt St., Stockton, Cal.
- *BOND, William L. (Junior, 1917), 1st Lieut., Ord. Dept., U. S. R., Frankford Arsenal, Bridesburg Sta., and *for mail*, 3411 Race St., Philadelphia, Pa.
- BONE, Wm. H. (1883), V. P., Genl. Mgr., The Ironsides Co., Hartman Bldg., and *for mail*, 85 N. Ohio Ave., Columbus, O.
- BONINE, Charles E. (1914), Cons. Engr., 20 S. 15th St., Philadelphia, and Surrey Rd., Melrose Park, Pa.
- BONNER, Richard O. (Junior, 1910), Inspec., Nitrate Div., Ord. Dept., U. S. A., 469 Fifth Ave., New York, N. Y., and *for mail*, 4 Hampton Rd., Rockville Centre, L. I., N. Y.
- BONNET, Frank H. (Associate-Member, 1916), Asst. M. E., The Buckeye Steel Castings Co., Columbus, and Bexley Park Rd., Bexley, Columbus, O.
- BONNETT, L. B. (1911), Civ. Serv. Examiner, M. E., Municipal Civ. Service Com., Municipal Bldg., New York, N. Y., and *for mail*, 310 W. Jersey St., Elizabeth, N. J.
- BOOMHOWER, Frederick K. (1914), Engr. with Albert Kahn, Arch., 58-60 Lafayette Blvd., and *for mail*, 10th Floor, Marquette Bldg., Detroit, Mich.
- BOONE, H. Searles (Junior, 1917), E. E., Lewis F. Shoemaker & Co., and *for mail*, 604 High St., Pottstown, Pa.
- BOORAEM, J. Francis (1895, 1906), Treas. & Genl. Mgr., Am. Enameled Brick & Tile Co., 62 Vanderbilt Ave., New York, N. Y., and "Harborview," Greenwich, Conn.
- BOORAEM, J. Van Vorst (1884), Life Member, M. E., Chemist, Ret., 204 Lincoln Pl., Brooklyn, N. Y.
- BOOTH, Charles A. (1909), Charge Engrg., Sales, Buffalo Forge Co., Buffalo Steam Pump Co., and *for mail*, 142 Summit Ave., Buffalo, N. Y.
- *BOOTHMAN, Dale M. (1915), Capt., Chem. Warfare Serv., U. S. A., Edgewood Arsenal, Edgewood Plant, Edgewood, Md.
- BOOZER, Douglas G. (Associate-Member, 1917), 7-9 Taylor St., Paterson, N. J.
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- *BORDEN, John M. (Junior, 1912), 2nd Lieut., Ord. R. C., Asst. Army I. of O., U. S. A., Hudson Motor Car Co., Detroit, Mich.

- BORDEN, Moro M. (1913), M. E., Simplex Valve & Meter Co., Philadelphia, Pa., and *for mail*, 310 Lees Ave., Collingswood, N. J.
- BORDEN, Wm. H. (Junior, 1905), Mfrs. Sales Agt., Industrial Safety Devices, etc., 502 Mission St., San Francisco, Cal.
- BORGE, John (Associate-Member, 1916), Pres. Borge Incinerator Corp., 1216 Flatiron Bldg., New York, and 9114 Ridge Rd., Brooklyn, N. Y.
- BORIE, Renshaw (1913, 1918), Care of Mr. Beauveau Borie, Abington, Pa.
- BORNHOLT, Oscar C. (1904; 1909), M. E., Buick Motor Co., and *for mail*, 909 Detroit St., Flint, Mich.
- *BORNHORST, A. H. (Junior, 1916), 1st Lieut., Sig. R. C., Avia. Sec., Sultan Ry. & Timber Co., Oso, Wash., and St. Marys, O.
- BORRROMEO, Canuto O. (Junior, 1916), Asst. Engr., The Mindoro Sugar Co., San Jose, Mindoro, and *for mail*, 2 Asamblea St., Cebu, Cebu, P. I.
- BOSCH, F. William (Associate-Member, 1916), Mech. Designing Engr., Laidlaw Wks., Worthington Pump & Mchy. Corp., Elmwood Pl., Cincinnati, and *for mail*, Glencoe Hotel, Mt. Auburn, Cincinnati, O.
- BOSE, Kumudini Kanta (Associate-Member, 1918), M. E., Armour & Co., Union Stock Yards, and *for mail*, 2148 W. Adams St., Chicago, Ill.
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- BOSWORTH, Ralph L. (Associate-Member, 1918), Designing Engr., Chem. Paper Mfg. Co., and Crocker-McElwain Co., and *for mail*, 21 Stamford St., Holyoke, Mass.
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- BOTT, Geo. R. (1913), Engrg. Mgr., The Norma Co. of Am., 1790 Broadway, New York, and 123 Cedar Rd., New Rochelle, N. Y.
- BOURNE, George L. (1903), Pres., Loco. Superheater Co., 30 Church St., New York, and Mamaroneck, N. Y.
- BOURNE, P. B. (1914), Ch. Engr., The Worthington Pump & Mchy. Corp., Blake & Knowles Wks., 265 Third St., East Cambridge, and 6 Symmes Rd., Winchester, Mass.
- BOURNE, Ralph H. (Associate-Member, 1914), V. P., Whiting Fdy. Equip. Co., Harvey, and *for mail*, 1st Apt., 1247 N. State St., Chicago, Ill.
- BOURNE, Stephen N. (1891), Agt., Dundee Mills, Hooksett, and *for mail*, 1589 Elm St., Manchester, N. H.
- BOURQUIN, James F. (1907; 1915), V. P., Liberty Motor Car Co., and *for mail*, 2252 West Grand Blvd., Detroit, Mich.
- BOUSFIELD, Alfred (1912), Ch. Engr., E. & T. Fairbanks & Co., 416 Broome St., and 1 W. 85th St., New York, N. Y.
- BOUTON, Geo. I. (1901; 1904), Ch. Engr., Murphy Iron Wks., and 288 Baldwin Ave., Detroit, Mich.
- BOVEY, William H. (1913), Genl. Supt., Dir., Washburn Crosby Co., Chamber of Commerce, and 212 W. Franklin Ave., Minneapolis, Minn.
- BOWEN, Almon F. (1914), Asst. to Genl. Mgr., The New London Ship & Eng. Co., Groton, and 254 Huntington St., New London, Conn.
- BOWEN, David R., (1899), Ch. Engr., Farrell Fdy. & Mch. Co., and *for mail*, 5 Clover St., Ansonia, Conn.

- BOWEN, Harrison S. (1895; 1908), M. E., Robert W. Hunt & Co., 2200 Ins. Exch. Bldg., Chicago, and 809 Elmwood Ave., Wilmette, Ill.
- *BOWEN, William S. (Associate-Member, 1918), 2nd Lieut., S. R. C., A. S., Sch. of Meteorology, College Station, Tex.
- BOWER, J. G. (Associate, 1903), The Buckeye Steel Castings Co., 50 Church St., New York, N. Y.
- BOWER, Robert S. (Junior, 1916), Asst. in Open Hearth, Steel Dept., The River Furnace Co., 4002 Dille Ave., and *for mail*, 2163 E. 84th St., Cleveland, O.
- BOWER, Ward J. (Junior, 1913), Civilian Inspec., Mech. Equip., Constr. Div., 745 Crescent Ave., Buffalo, N. Y.
- BOWERMAN, Myron R. (1910; Associate-Member, 1914), Checker, Alliance Mch. Co., and *for mail*, 2205 Shunk Ave., Alliance, O.
- BOWERS, George W. (1910), Mech. and Cons. Engr., 53 Devonshire St., Boston, and *for mail*, 47 Franklin St., Somerville, Mass.
- *BOWES, Lawrence C. (Junior, 1914), 332nd F. A., U. S., A. E. F., France; Inspec., Stationary Boiler Plants, C. R. I. & P. R. R., 911 La Salle St. Sta., and *for mail*, 9556 Prospect Ave., Chicago, Ill.
- *BOWLES, Hardy (1917), Capt. 23rd U. S. Engrs., Am. Exped. Forces, France, and *for mail*, 65 26th St., Elmhurst, L. I., N. Y.
- BOWLES, John D. (Associate-Member, 1916), Asst. Genl. Supt., Douglas Co., and 2035 Blake Blvd., Cedar Rapids, Iowa.
- BOWMAN, Franklin M. (1894; 1902), V. P., Blaw Knox Co., and *for mail*, 1234 N. Highland Ave., Pittsburgh, Pa.
- BOWMAN, Robert B. (Associate-Member, 1917), care of Franklin Hotel, Des Moines, Ia.
- BOWMAN, Robert H. (Associate-Member, 1916), Ch. Draftsman, Firestone Tire & Rubber Co., and *for mail*, 46 Metlin Ave., Akron, O.
- BOYD, Ford E. (Junior, 1912), M. E., Oliver Iron Min. Co., 713 Wolvin Bldg., and *for mail*, 2022 E 5th St., Duluth, Minn.
- *BOYD, Frank F. (1917), Lieut. Com., U. S. N. R. F., Engr. & Repair Officer, U. S. Submarine Base, New London, Conn.
- BOYD, Howard L. (Associate-Member, 1915), M. E., Indust. Accident Commission of Cal., 423 Union League Bldg., Los Angeles, Cal.
- *BOYD, H. M. (Junior, 1916), Lieut., 304th Regt. Field Art., Camp Upton, L. I., and *for mail*, 416 W. 145th St., New York, N. Y.
- BOYD, James C. (1907), V. P., Westinghouse, Church, Kerr & Co., 37 Wall St., New York, N. Y.
- BOYD, James E. (1915), Prof. Mech., Ohio State Univ., and 188 E. Frambes Ave., Columbus, O.
- BOYD, John T. (1887), Cons. Engr., 149 E. 40th St., New York, N. Y.
- BOYD, Landon B. (Junior, 1917), Production Engr., Advance-Rumely Co., and *for mail*, 911 Michigan Ave., La Porte, Ind.
- BOYD, W. Wallace (1910; Associate-Member, 1917), Engr., Augustine Automatic Rotary Eng. Co., 1862 Elmwood Ave., and *for mail*, 32 Lafayette Ave., Buffalo, N. Y.
- BOYD, Willard A. (1916), Engr., Experimental Div., E. I. du Pont de Nemours & Co., 863 du Pont Bldg., Wilmington, Del., and 22 Pendleton Pl., New Brighton, S. I., N. Y.
- BOYD, William C. (1907), Asst. Engr., Pittsburgh Rys. Co., 435 Sixth Ave., Pittsburgh, and *for mail*, McKees Rocks, Pa.
- BOYER, Edwin S. (1897; 1902; 1907), M. E., Am. Hard Rubber Co., 11 Mercer St., New York, N. Y., and *for mail*, 1070 Hillside Ave., Plainfield, N. J.
- *BOYER, Frederic Q. (1909; Associate-Member, 1913), 1st Lieut., Office of Ch. Engr., Engr. Depot. Sec., Army P. O. No. 717, A. E. F., France, and 548 Orange St., New Haven, Conn.

- *BOYER, Geo. H. (Associate-Member, 1917), 1st Lieut., Ord. R. C., U. S. A., and *for mail*, Rolla, Mo.
- BOYER, Joseph (1913), Pres., Burroughs Adding Mch. Co., 2nd and Burroughs Ave., and *for mail*, 637 Woodward Ave., Detroit, Mich.
- BOYLE, Clarence, Jr. (Junior, 1914), Secy., Clarence Boyle, Inc., 11 S. La Salle St., and *for mail*, 443 Belmont Ave., Chicago, Ill.
- BOYLE, Walter W. (Junior, 1916), Asst. to Supt. of Central Power Plant, Estate of Henry W. Oliver, 232 Oliver Bldg., Pittsburgh, Pa.
- BOYLE, William G. (1915), Mech. Supt., Engr., Estate of Henry W. Oliver, 232 Oliver Bldg., Pittsburgh, and 705 Ridge Ave., Bellevue, Pa.
- *BOYLES, Ralph R. (Junior, 1918), Prvt., 1st Co., 161st Depot Brigade, Bldg. No. 1161 W. Camp Grant, Ill., and 1738 Grand Ave., St. Paul, Minn.
- *BOYNTON, John E. (Associate-Member, 1915), Capt. Engrs., U. S. A., Co. "G," 2nd Engrs., Camp Humphreys, Va., and *for mail*, 613 E. 16th St., Alton, Ill.
- BOYNTON, Winfred S. (Associate-Member, 1917), Engr., Ord. Dept., U. S. A., and Park St., Pepperell, Boston, Mass.
- *BRADFORD, J. Sydney (1916), Maj., 103d Engrs., A. E. F., France, and *for mail*, 245 S. 45th St., Philadelphia, Pa.
- BRADFORD, Louis J. (Junior, 1914), 224 Park Ave., Swarthmore, Pa.
- BRADLEY, Eugene P. (1918), Capt., Q. M. C., Engrg. Sec., Constr. Div., and *for mail*, Group G, 7th & B Sts., Corridor 5-325, Washington, D. C.; Co-partner, Hester-Bradley Co., 1212 Chemical Bldg., and 5327 Maple Ave., St. Louis, Mo.
- BRADLEY, John E. (1914), Pres., Osgood Bradley Car Co., 350 Mountain St., and 21 Richard St., Worcester, Mass.
- BRADLEY, W. H. (1892), Ch. Engr., Consltd. Gas. Co. of N. Y., 130 E. 15th St., and 23 W. 68th St., New York, N. Y.
- BRADLEY, Wm. J. (1905), Supt., The Rail Joint Co., and 1 Belle Ave., Troy, N. Y.
- BRADSHAW, Grant D. (1904; 1913), Pres., Andrews-Bradshaw Co., 303 B. F. Jones Bldg., Pittsburgh, and 186 Beaver St., Beaver, Pa.
- *BRADY, George S. (Associate-Member, 1916), Capt. Amer. Ord. Base Depot in France, 613 G St., N. W., Washington, D. C.
- BRADY, Hugh S. (Associate-Member, 1918), Supt., Hazel-Atlas Glass Co., Wheeling, W. Va.
- BRADY, John J. (Associate-Member, 1918), Sales Agt., Boston Office, Heinie Safety Boiler Co., 50 Congress St., Boston, Mass.
- BRADY, Joseph B. (Junior, 1910), Mchy. Dept., Joseph T. Ryerson & Son, 16th & Rockwell Sts., Chicago and 818 N. Euclid Ave., Oak Park, Ill.
- BRADY, Joseph H. (1907), Ch. Engr. & Supt. of Bldgs., Sch. Dist. of Kansas City, Rm. 217 Library Bldg., 9th & Locust Sts., and 3612 Paseo Blvd., Kansas City, Mo.
- *BRADY, Laban J. (Junior, 1916), 1st Lieut., Co. C, 5th Engrs., A. E. F., France, and *for mail*, 9 N. Poplar St., Charlotte, N. C.
- BRAGG, Sumner B. (Associate-Member, 1918), Foreman Nosing French Shells, Midvale Steel Co., and *for mail*, 3864 N. Gratz St., Philadelphia, Pa.
- BRAINE, Bancroft G. (1896; 1905), Engr., The Rail Joint Co., 61 Broadway, New York, N. Y., and 19 Mountain Ave., N., Montclair, N. J.
- BRAKEMAN, Roy E. (1911), Ch. Engr., Fairfield Wks., Tenn. Coal, Iron & R. R. Co., Woodward Bldg., and P. O. Box 297, Birmingham, Ala.
- BRAKES, James, Jr. (Junior, 1917), Elec. Tester, Commonwealth Edison Co., 28 N. Market St., and *for mail*, 6541 Perry Ave., Chicago, Ill.
- BRAMAN, Samuel N. (1902; 1915), Mgr. The Morse & Whyte Co., Cambridge, and *for mail*, 10 Newbury St., Boston, Mass.

- BRAMWELL, Joseph W. (1918), Mgr. Boston Office of Amer. Bronze Corpn., Berwyn, and *for mail*, 4931 Rubican Ave., Philadelphia, Pa.
- BRAND, Geo. B. (1912), Genl. Supt., Remington Typewriter Wks., and 320 Ostego St., Illion, N. Y.
- BRAND, Walter N. (1912), Supt., Smith Premier Wks., Remington Typewriter Co., and 916 Lancaster Ave., Syracuse, N. Y.
- BRANDEL, Stanley W. (Associate-Member, 1916), Factory Mgr., U. S. Ball Bearing Mfg. Co., 4535 Palmer St., Chicago, Ill.
- BRANDES, C. H. (1913), M. E., Genl. Pur. Agt., The Am. Metal Co., Ltd., 61 Broadway, New York, and 400 Fingerboard Rd., Arrochar Park, Arrochar, S. I., N. Y.
- BRANDES, W. P. (Junior, 1914), Engr., Empire Engrg. Co., Inc., 408 Water St., and 3122 Able Ave., Baltimore, Md.
- BRANDON, George R. (1897; 1901), M. E., R. R. L., Homewood, Ill.
- BRANDON, William J. (1912), M. E., Avery Co., and 503 W. Armstrong Ave., Peoria, Ill.
- BRANDT, Carl A. W. (1916), M. E., Loco. Superheater Co., 30 Church St., New York, N. Y.
- *BRANDT, Herman A. (Junior, 1916), Lieut. (j. g.), U. S. N. R. F., Marine Basin, Ulmer Park, and *for mail*, 444 6th St., Brooklyn, N. Y.
- BRASHEAR, John A. (1891; Honorary, 1908), Manager, 1899-1902; President, 1915; Chairman, John A. Brashear Co., 1954 Perrysville Ave., N. S., Pittsburgh, Pa.
- BRASSINGTON, John W. (1915), Ch. Engr., Am. Writing Paper Co., Main St., and 251 Oak St., Holyoke, Mass.
- BRAUER, Rudolph C. (Junior, 1916), Draftsman, City Engrg. Dept. of Richmond, City Hall, and *for mail*, 11 N. Adams St., Richmond, Va.
- BRAUN, Carl F. (1907; 1916), Pres., C. F. Braun & Co., 503 Market St., San Francisco, Cal.
- BRAUNBERGER, Ray A. (Junior, 1918), Sales & Industrial Engr., R. E. Ellis Engrg. Co., 621 Washington Blvd., Chicago, Ill.
- BRAY, Charles W. (1888), Ret., R. D. No. 1, Bridgeport, Pa.
- BRAY, Thos. J. (1898), Pres., Republic Iron & Steel Co., and 1510 Fifth Ave., Youngstown, O.
- BRAYTON, H. M. (Junior, 1917), Designing Steam Engr., Semet Solvay Co., and *for mail*, 4668 S. Salina St., Syracuse, N. Y.
- BRAZIER, Frederick W. (1914), Supt. Rolling Stock, N. Y. C. R. R., Rm. 1516, Grand Central Terminal, New York, and 1 Lamartine Terrace, Yonkers, N. Y.
- *BREADY, William M., Jr. (Junior, 1916), 1st Lieut., 108th Engrs., Co. E, 33rd Div., Camp Logan, Tex.; Sales Engr. The Kennicott Co., 1405 Corn Exch. Bank Bldg., and *for mail*, 4746 Princeton Ave., Chicago, Ill.
- BREAKER, Harry O. (1916), Genl. Mgr., Am. Incandescent Heat Co., Rm. 77, 10 Post Office Sq., Boston, and 85 Bartlett Rd., Winthrop, Mass.
- *BRECKENRIDGE, Andrew L. (Junior, 1913), Chief Machinist's Mate, Mine Filling Depot, Constr. Unit, Yorktown, Va., and *for mail*, 20 Arch St., Providence, R. I.
- BRECKENRIDGE, Clarence E. (1904; 1916), Ch. Engr., Merck & Co., 45 Park Pl., New York, N. Y., and *for mail*, 209 Elm Ave., Rahway, N. J.
- BRECKENRIDGE, L. P. (1890), Vice-President, 1907-1909; Prof. M. E., S. S. S., Mason Lab., and 412 Humphrey St., New Haven, Conn.
- BREED, Preston H. (1917), 1203 S. Main St., Racine, Wis.
- *BREEDLOVE, Lincoln B. (Junior, 1915), 1st Lieut., Engrs. Sec., Ord. Corps, 14th Div., M. O. R. S., Camp Custer, Mich., and *for mail*, 1716 Frick Bldg., Pittsburgh, Pa.

- BREER, Carl (Junior, 1912), Research Engr., Studebaker Corp'n, and *for mail*, 569 Holden Ave., Detroit, Mich.
- BREEZE, Alfred B. (Associate, 1917), V. P., The Cincinnati Ball Crank Co., and 3430 Zumstein Ave., Oakley, Cincinnati, O.
- BREKENFELD, Jacob C. (Associate-Member, 1918), Asst. to G. M. S., N. Y., N. H. & H. R. R., Rm. 133, Genl. Office Bldg., New Haven, Conn.
- BRENDLINGER, Wm B. (Associate, 1907), Asst. Genl. Sales Mgr., Ingersoll-Rand Co., 411-14 Commercial Trust Bldg., Philadelphia, Pa.
- BRENEMAN, Paul E. (Junior, 1912), Ch. Draftsman, E. G. Budd Mfg. Co., Philadelphia, and 5011 Greene St., Germantown, Pa.
- BRENGEL, Frederick J. (1914; Associate-Member, 1916), Supt., Bailey Meter Co., 141 Milk St., Boston, Mass.
- *BRENNAN, E. M. (Associate-Member, 1916), 1st Lieut., Engr. R. C., 309th Engrs., 84th Div., A. E. F., France, and 519 Sutherland Ave., transactions only, Indianapolis, Ind.
- *BRENNAN, James (1911, 1917), Capt. and Aide-de-Camp, 7th Div., U. S. A., A. P. O. 713, A. E. F., or care of American Express Co., 11 Rue Scribe, Paris, France (marked "forward").
- BRENNAN, John E. (1918), Asst. Wks. Mgr., The Remington Arms Metallic Cartridge Co., Inc., Remington Ilion Wks., 26 E. Main St., and *for mail*, 52 John St., Ilion, N. Y.
- BRENNAN, John T. (Associate-Member, 1913), Asst. County Engr. Cuyahoga Co., Engrs. Office, Courthouse, and *for mail*, 1293 W. 108th St., Cleveland, O.
- BRENNAN, Michael J. (Associate-Member, 1918), Engrg. Div., Colt's Patent Firearms Mfg. Co., and *for mail*, 435 Wethersfield Ave., Hartford, Conn.
- BRENNAN, Wm. D. (1918), Asst. Genl. Mgr., The Union Pacific Coal Co., Box 905, Cheyenne, Wyo.
- BRENNER, Wm. H. (1897), Managing Dir. of Wks., Compania Anglo-Espanola de Cemento Portland, Matillas, Guadalajara, Spain, and *for mail*, 2005 Peachtree Rd., Atlanta, Ga.
- BRENTLINGER, John M. (Associate-Member, 1917), Power Supt., E. I. du Pont de Nemours & Co., 8047 du Pont Bldg., Wilmington, Del.
- BRENTZINGER, Julius (1915), V. P., Max Ams Mch. Co., Bridgeport, and Broad St., also P. O. Box 342, Fairfield, Conn.
- *BRES, Edward W. (Junior, 1916), Lieut., 312th Engrs, Camp Pike, Ark., and 1119 Short St., New Orleans, La.
- BRESLAV, Jack (Junior, 1916), Sales Engr., Terry Steam Turbine Co., and *for mail*, 48 Mahl Ave., Hartford, Conn.
- BRESLOVE, Joseph (1906, 1913), Cons. Engr., 985 Union Arcade Bldg. and 5874 Darlington Rd., Pittsburgh, Pa.
- BRESSLER, J. Walter (Associate, 1917), Metallurgist, Tacony Steel Co., 7147 Torresdale Ave., Philadelphia, Pa.
- BREITHERICK, Clarence O. (Associate-Member, 1918), M. E., J. F. Duthie Co., Shipbldrs., Kitsap Ave., and *for mail*, 218 36th Ave., N. Seattle, Wash.
- BRETT, Henry E. (1902), Cons. Engr., 533 Higgins Bldg., Los Angeles, Cal.
- BRETT, Roy C. (Junior, 1917), Instr. M. E., Case. Sch. of Applied Science, University Circle, and 2173 Cummington Rd., Cleveland, O.
- BRETZFELDER, Ira L. (Associate, 1914), V. P., Treas., Alvey Mfg. Co., 3201 S. Broadway, St. Louis, Mo.
- BREUL, Fred G. (Associate, 1917), Owner, Mgr., Fred G. Breul Tool Wks., 282 Kossuth St., and *for mail*, 1876 Noble Ave., Bridgeport, Conn.
- *BREWER, Allen F. (Junior, 1916), Machinist, U. S. N. R. F., and *for mail*, Heights Ave., West Orange, N. J.

- BREWER, Arthur (1906), Supt. Plant, Bridgeport Brass Co., and *for mail*, 100 Unquowa Hill, Bridgeport, Conn.
- BREWSTER, Frank H. (1894), Genl. Supt., U. S. Rubber Reclaiming Co., Inc., 724 Babcock St., and *for mail*, 180 Woodbridge Ave., Buffalo, N. Y.
- *BREWSTER, Henry B. (1915), Capt. and Adj., 303rd Reg't Engrs., A. E. F., France, and *for mail*, 416 W. Onondaga St., Syracuse, N. Y.
- BREYER, Emil F. (Associate-Member, 1915), care of D. L. Meloy, Globe, Ariz.
- BRICE, Andrew T. (1913), M. E. Dept. of Pub Wks., 2040 Municipal Bldg., New York, and Maple Ave., Sea Gate, N. Y.
- BRICE, Norman E. (Associate-Member, 1918), M.E., The Permutit Co., 30 E. 42nd St., New York, and *for mail*, 868 E. 23rd St., Brooklyn, N. Y.
- BRIDGES, John S. (Associate, 1917), Pres., Coale Muffler & Safety Valve Co., 325 Eliver St., and 3505 N. Charles St., Baltimore, Md.
- BRIDENBAUGH, Elmer H. (1912), Supt. & Asst. Genl. Mgr., The Jackson Compressor Co., 235 S. Cherokee St., also 1305 S. Pennsylvania St., and *for mail*, P. O. Box 424, Denver, Colo.
- BRIDGES, Luther W. (1916), M.E., Charles H. Tenney & Co., 201 Devonshire St., Boston, and *for mail*, 95 Union Ave., Framingham, Mass.
- BRIGGS, Arthur J. (1907), M. E., Smith Premier Wks., Remington Typewriter Co., and 107 Victoria Pl., Syracuse, N. Y.
- BRIGGS, C. A. (1917), Assoc. Physicist Bu. of Standards, and 1521 Oak St., N. W., Washington, D. C.
- BRIGGS, Hermon B. (Junior, 1917), Instr. Mech. Drawing, North Carolina State College of Agri. & Engrg., and *for mail*, 1301 Hillsboro St., Raleigh, N. C.
- *BRIGGS, Leroy E (1911; Associate-Member, 1914), Capt., Ord. Dept., U. S. A., Army Insp. of Ord., New England Westinghouse Co., Springfield, Mass.
- *BRIGGS, Lester G. (Junior, 1916), Ensign Engrs., U. S. N. Avia., A. E. F., France.
- BRIGGS, William C. (1907), 303 Springfield Rd., Elizabeth, N. J.
- BRIGHAM, Edmond F. (1913), M. E., N. E. Confectionary Co., 253 Summer St., Boston, and 46 Russell St., Brookline, Mass.
- BRIGHT, Fred E. (1913), Engr., Ret., 417 Park Ave., New York, N. Y.
- BRIGHTMAN, Harrison M. (Associate-Member, 1917), Supt. The Brightman Mfg. Co., So. Columbus, and 551 Linwood Ave., Columbus, O.
- BRIGHTMAN, Howard L. (Associate-Member, 1917), Wks. Mgr. Brightman Mfg. Co., So. Columbus, and 1277 Cole St., Columbus, O.
- BRILL, Elliot M. (Junior, 1918), Mgr., Cost Dept., Jones & Lamson Mch. Co., Springfield, Vt. and *for mail*, Charlestown, N. H.
- BRILL, Geo. M. (1891, 1906), Manager, 1904-1907; Vice-President, 1910-1912; Ch. Requirements Sec., U. S. Shipping Bd., Emergency Fleet Corp., and *for mail*, 409 Lancaster Ave., Haverford, Pa.
- BRINCKERHOFF, Henry G. (1917), Indus. & Engrg. Equip., 10 High St., Boston, and Chestnut Hill, Mass.
- BRINER, Emil A. (1916), Vent. Engr. & Contr., E. A. Briner, 370 Central Ave., and 559 Central Ave., East Orange, N. J.
- BRINK, Harry L. (1912), Asst. Engr., Am. Hoist & Derrick Co., 63 S. Robert St., and *for mail*, 1738 Van Buren St., St. Paul, Minn.
- BRINKERHOFF, Harry A. (1910), Managing Engr., Westinghouse Church Kerr & Co., 37 Wall St., New York, N. Y., and *for mail*, 199 Sylvan St., Rutherford, N. J.
- BRINLEY, Charles E. (1913), V. P., Mgr., The Am. Pulley Co., 4200 Wissahickon Ave., and 250 S. 18th St., Philadelphia, Pa.

- BRINSMADE, Louis L. (1897; 1906), 90 West St., and 235 W. 103rd St., New York, N. Y.
- BRINTON, Willard C. (1907; 1912), Cons. Engr., Rm. 1807; 21 E. 40th St., and 55 W. 44th St., New York, N. Y.
- BRINTZINGER, Charles H. (Associate-Member, 1918), Appraisal Engr., Am. Appraisal Co., Stoh Bldg., and *for mail*, 496 Beulah Ave., Milwaukee, Wis.
- BRISTOL, Charles F. (1916), Genl. Supt., Armstrong, Whitworth of Canada, Ltd., 228 St. James St., Montreal, Que., and *for mail*, Sharon, Ont., Canada.
- BRISTOL, Howard H. (Junior, 1913), Engr., The Bristol Co., Waterbury, and Naugatuck, Conn.
- BRISTOL, Wm. H. (1890), Pres., The Bristol Co., Waterbury, Conn.
- BRITTAN, Frederick A. (Associate-Member, 1918), Engr., Remington Arms U. M. C. Co., Bridgeport, Wks., and *for mail*, 595 South Ave., Bridgeport, Conn.
- BRITTON, John A. (1907), V. P., Genl. Mgr., Pac. Gas & Elec. Co., 445 Sutter St., and St. Francis Hotel, San Francisco, Cal.
- *BRITTON, William M. (1916), Maj. Q. M. R. C., Office of Q. M.*Genl., Motors Div., Washington, D. C.
- *BRITTON, L. E. (1918), Major Ord. R. C., A. I. of O., Ford Motor Co., and *for mail*, 239 John R. St., Detroit, Mich.
- *BRIZZOLARA, Robert T. (Junior, 1917), 2nd Lieut., Aviation Sect., Aeronautics Park Field, Memphis, Tenn., and *for mail*, 148 E. 86th St., New York, N. Y.
- BROADHURST, Frank S. (Associate-Member, 1918), Treas., Starkweather & Broadhurst, Inc., 53 State St., Boston, Mass.
- BROBSTON, Joseph (1912), V. P., Dexter Portland Cement Co., Nazareth, Pa.
- *BROCK, Clarence A. (Junior, 1913), Sergt., 1st Class, Motors Div., Q. M. C., The Standard Parts Co., Perfection Spring Div., 1836 Euclid Ave., Cleveland, Ohio.
- BROCK, Clifford E. (Junior, 1918), Asst. Supt., Gas Pipe Line Dept., Empire Gas & Pipe Line Co., Drawer F, and *for mail*, 401 Creek Ave., Bartlesville, Okla.
- BROCK, William M. (1894), Div. Supt., Pub. Serv. Elec. Co. and 576 E. 25th St., Paterson, N. J.
- BROCKBANK, Victor (Associate-Member, 1917), M.E., Superior Mch. & Engrg. Co., Fort & Beaubien St., and *for mail*, 30 Lamothe Ave., Detroit, Mich.
- BROCKLEBANK, Arthur P. (1912), Ch. Engr., Alberger Pump & Condenser Co., Rm. 710, 140 Cedar St., New York, and 2209 Ave. I, Brooklyn, N. Y.
- BROCKMAN, Bernard N. (Junior, 1917), Spec. Rep., The R. K. LeBlond Mch. Tool Co., Hyde Park, and 14 Priscilla Bldg., Michigan Ave., Cincinnati, Ohio.
- BRODEN, Edwin H. (1912), Supt. Rankin Wks., Am. Steel & Wire Co., Rankin, and *for mail*, 1334 Walnut St., Edgewood Park, Swissvale, Pa.
- BRODERICK, Geo. H. (Associate-Member, 1917), Mgr., Monroe Co., Corrugated Box Co., 2nd & Kentucky Sts., and 139 Arbor Ave., Monroe, Mich.
- BROEKER, Frederick G. (Associate-Member, 1917), Mech. Draftsman, Braden Copper Co., Rancagua, Chile, S. A.
- BRONSON, Carlos E. (Junior, 1915), M.E., Kewanee Boiler Co., and *for mail*, 432 S. Tremont St., Kewanee, Ill.
- *BROOKE, Lloyd A. (Associate-Member, 1917), Ord. Dept. U. S., Naval Gun Factory, and 1013 B St., S. E., Washington, D. C.
- BROOKE, W. Clement (Junior, 1915), Asst. Constr. Engr., Interborough

- Rapid Transit Co., 74th St. and East River, New York, N. Y., and *for mail*, 430 William St., East Orange, N. J.
- BROOKE, William E. (1917), Prof. Head Dept. of Math. and Mech., College of Engrg. & Arch., Univ. of Minnesota, and 416 Walnut St., E. E., Minneapolis, Minn.
- BROOKS, Alfred A. (Associate-Member, 1916), Asst. Engr., Turbine Research Dept., General Elec. Co., West Lynn, and *for mail*, 94 Chester Ave., Chelsea, Mass.
- BROOKS, Chas. C. (1915), Asst. West Mgr., Mead-Morrisson Mfg. Co., Monadnock Bldg., 53 W. Jackson Blvd., and *for mail*, 6047 Woodlawn Ave., Chicago, Ill.
- BROOKS, Charles E. (Associate-Member, 1917), Supt. M. P., Grand Trunk Pacific Ry., Transcona, Man., Canada.
- BROOKS, Edwin C. (1884), 353 Grove St., Melrose, Mass.
- BROOKS, Eugene A. (Associate-Member, 1918), Sales Engr., The Babcock & Wilcox Co., 1132 Candler Bldg., Atlanta, Ga.
- *BROOKS, Frederick A. (Junior, 1918), 1st Lieut., Aircraft Prod. Serv., A. E. F., France and *for mail*, care of Henry M. Brooks, Box 47, Chicago, Ill.
- BROOKS, Henry K. (1907), Pres., The Capital Iron Wks. Co., and Westlawn, Topeka, Kan.
- *BROOKS, Henry W. (Associate-Member, 1918), Lieut., U. S. N. R. F., Bureau of Ord., Navy Dept., Rm. 3121 New Navy Bldg., Washington, D. C.
- *BROOKS, J. Ansel (1907; 1911), Capt., Air Serv., Standard Aircraft Corp., Elizabeth, N. J., Assoc. Prof. Mech., Brown Univ., and 242 President Ave., Providence, R. I.
- BROOKS, John (Associate-Member, 1918), Asst. to Genl. Mgr., Russell Motor Car Co., Inc., 93 Dewey Ave., Buffalo, N. Y.
- BROOKS, John C. (1917), M. E., Asst. to V. P., Goodell-Pratt Co., and *for mail*, Weldon Hotel, Greenfield, Mass.
- BROOKS, L. C. (1901, Associate-Member, 1915), E. E. Bethlehem Ship-bldg. Corp., and 918 Monroe Ave., Bethlehem, Pa.
- BROOKS, Malcolm G. (Junior, 1916), Partner, M. S. Brooks & Sons, Chester, Pa.
- BROOKS, Morgan (1885), Life Member; Prof. E. E. Univ. of Ill., and *for mail*, 1005 W. California Ave., Urbana, Ill.
- BROOKS, O. C. (1912), Ch. Engr., Intl. Conveyor Corp., 50 E. 42nd St., New York, N. Y.
- BROOKS, P. C. (1915), St. Johnsbury, Vt.
- *BROOM, Benj. A. (1914), Cons. Engr., 1st Lieut. Engrs., Co. 7, E. O. T. S., Camp A. A., Humphreys, Va.
- BROOME, Ernest L. (1898; 1909), M. E., Vielé, Blackwell & Buck, 49 Wall St., New York, and Tarrytown, N. Y.
- BROSIUS, Frank R. (1913), Supt. of Power, Kimberly-Clark Co., Neenah, and *for mail*, 433 North St., Appleton, Wis.
- BROSSMAN, Chas. (1918), Cons. Engr., U. S. Fuel Administration, State of Ind., On Utility Plants, 1503 Merchants Bank Bldg., Indianapolis, Ind.
- BROUILLETTE, Albert V. (Associate-Member, 1917), Engr., N. E. Westinghouse Co., Broadway, and *for mail*, 7 Washington St., Chicopee Falls, Mass.
- BROWER, Clarence L. (1916), Ch. Engr., U. S. Metals Refining Co., and Atlantic St., Chrome, N. J.
- BROWN, A. G. (1884), Life Member; 53 Victoria Bldgs., Manchester, and *for mail*, Ellerslie, Oswald Rd., Chorlton-cum-Hardy, England.
- BROWN, Albert M. (Junior, 1915), Dist. Mgr., Chicago Pneumatic Tool

- Co., 1740 Market St., Philadelphia, Pa., and 560 Benson St., Camden, N. J.
- BROWN, Albert T. (1917), Engrg. Asst. Mech. Dept., Pub. Serv. Elec. Co., Rm. 728 Pub. Serv. Terminal, Newark, and 377 Park Ave., East Orange, N. J.
- BROWN, Alexander O. (Junior, 1914), Pres., The Brown Hoisting Mch. Co., 4403 St. Clair Ave., and *for mail*, 1625 Hazel Drive, Cleveland, O.
- BROWN, Alex. T. (1890), Life Member; Pres., Brown-Lipe Gear Co., 200 S. Geddes St., and *for mail*, 726 W. Onondaga St., Syracuse, N. Y.
- BROWN, Alfred C. (1914), Mgr., Marlin-Rockwell Corp., Tacony Div., State Rd. & Robbins St., and 6948 Torresdale Ave., Tacony Phil., Pa.
- BROWN, Anthony F. (Junior, 1918), V. P. & Genl. Mgr., B. A. B. Model Mfg. Co., 13-15 Canal Pl., and *for mail*, 3014 Grand Blvd. & Concourse, New York, N. Y.
- BROWN, Arthur J. (1917), Ch. Draftsman Elec. Dept., Allis-Chalmers Mfg. Co., West Allis, and *for mail*, 3311 McKinley Blvd., Milwaukee, Wis.
- BROWN, Arthur J. (Associate, 1918), Pres. & Treas., B. A. B. Model Mfg. Co., 13-15 Canal Pl., New York, N. Y.
- *BROWN, Arthur L. (Junior, 1917), Capt., Ord., U. S. A., Engrg. Div., Ord Dept., Group "E," 6th & B Sts., Washington, D. C., and Rye Beach, N. Y.
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- BROWN, Benjamin F. (1916), Pres., Mgr., Brown Bag-Filling Mch. Co., 10 Main St., and 27 Myrtle Ave., Fitchburg, Mass.
- BROWN, Cecil W. (Associate-Member, 1915), Industrial Power Spec., Stone & Webster Management Assoc., 147 Milk St., Boston, Mass., and *for mail*, P. O. Box 673, Pawtucket, also 100 Charles Field St., Providence, R. I.
- BROWN, Charles M. (Associate, 1912), V. P., Colonial Steel Co., Keystone Bldg., Pittsburgh, Pa.
- BROWN, Chas. S. (1890), Prof. M. E., Vanderbilt Univ., and 921 19th Ave., S. Nashville, Tenn.
- *BROWN, Claude C. Junior, (1916), Master Engr. (Sr. Grade), 434th Engrs., Camp Kearny, Cal.
- *BROWN, Clinton B. (Associate-Member, 1917), 1st Lieut., Ord. Dept., U. S. A., Ord. Office, Prod. Div., Philadelphia Dist., 1710 Market St., Philadelphia, and 2 W. Montgomery Ave., Ardmore, Pa.
- BROWN, Davis (1916), Wks. Mgr., The J. D. Fate Co., Plymouth, O.
- BROWN, Dickson Q. (1902; 1914), Tide Water Oil Co., 11 Broadway, New York, N. Y.
- BROWN, E. Karl (Junior, 1916), Estimator, The Lake Torpedo Boat Co., and *for mail*, 82 Newfield Ave., Bridgeport, Conn.
- BROWN, Earle W. (1913), Asst. Supt. Blast Furnaces, The Natl. Tube Co., Lorain, and *for mail*, 128 Ohio St., Elyria, O.
- BROWN, Edward C. (1917), Cons. Engr., Edward C. Brown & Co., 207 Essex St., Boston, Mass.
- *BROWN, Edward W. (1910), Lieut., U. S. N. R. F.; V. P., Genl. Mgr., Sterling Salt Co., 29 Broadway, New York, and Dongan Hills, N. Y.
- BROWN, Edwin H. (1903; 1914), Assoc. Dir., Dept. of Military Relief, Bureau of Camp Serv., Am. Red Cross, Washington, D. C., and *for mail*, 3911 Morrison St., Chevy Chase, Md.
- BROWN, Ernest W. (1912), Atty. & Mgr., N. Y. Reciprocal Underwriter & Individual Underwriters, 212 5th Ave., New York, N. Y., and 30 Hillcrest Rd., Glen Ridge, N. J.
- *BROWN, Eugene L., Jr. (1914; Associate-Member, 1914), 1st Lieut. of

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BROWN, Harold A. (Junior, 1916), Winchester Repeating Arms Co., and *for mail*, 98 Alden Ave., New Haven, Conn.

BROWN, Harry S. (Junior, 1910), N. E. Sales Mgr., Power Spec. Co., 50 Congress St., and 538 Commonwealth Ave., Boston Mass.

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BROWN, J. Grove (1902), Ch. Engr., Universal Rd. Mchy. Co., and 39 Van Buren St., Kingston, N. Y.

BROWN, J. Rowland, (1900; 1904; 1909), E. E., Ohio Brass Co., Mansfield, O.

BROWN, James M. (1900; 1906), Supt., The Sandusky Fdy. & Mch. Co., and *for mail*, 808 W. Washington St., Sandusky, O.

BROWN, James W. (1914), M. E., Lincoln Motor Co., and *for mail*, 2960 W. Grand Blvd., Detroit, Mich.

BROWN, John J. (1902), V. P., Wheeler Condenser & Engrg. Co., Carteret, and 44 Bleecker St., Newark, N. J.

BROWN, John Lyall (Junior, 1918), Mech. Designer, Crocker-Wheeler Co., Ampere, and *for mail*, 20 Oak Ridge Ave., Summit, N. J.

BROWN, John Q. (1906), Acting Mgr., Dist. "K," Supply Div., U. S. S. B. E. F. C.; Chas. C. Moore & Co., Engrs., 719 Sheldon Bldg., San Francisco, and *for mail*, 127 Bayo Vista Ave., Oakland, Cal.

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BROWN, Melville G. (Associate-Member, 1915), Chas. Brown & Co., 32-34 E. 31st St., New York, N. Y.

BROWN, Mortimer C. (Associate-Member, 1915), Ch. Engr. of Fayville Plant, Aetna Explosives Co., Fayville, Ill.

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- BROWN, Rezeau B. (1913), Genl. Mgr., Milwaukee Gas Light Co., 182 Wisconsin St., and 456 Lafayette Pl., Milwaukee, Wis.
- BROWN, Richard P. (1908; 1916), Pres., Brown Instrument Co., Wayne and Windrum Aves., and 3617 Powelton Ave., Philadelphia, Pa.
- BROWN, Robert G. (1912), George School, Pa.
- BROWN, Robt. S. (1891; 1904), Life Member; Secy., The New Britain Mch. Co., and *for mail*, 16 Forest St., New Britain, Conn.
- BROWN, Stephen P. (1909), V. P. and Genl. Mgr., Ford, Bacon & Davis Const. Corp'n, 115 Broadway, New York, N. Y.
- BROWN, Stuart F. (Junior, 1913), Asst. to Supt. on Production, Whitin Mch. Wks., Whitinsville, Mass.
- BROWN, Theophilus (1912), Mgr. Exper. Dept., Deere & Co., and *for mail*, 2535 9th Ave., Moline, Ill.
- BROWN, Thomas O. (1913), M. E., Westinghouse Church Kerr & Co., 37 Wall St., New York, N. Y., and Bloomfield Way, Llewellyn Pk., Orange, N. J.
- BROWN, Walter (1918), Member of War Serv. Committee, V.-P. & Genl. Mgr., The Webster Elec. Co., 2 Wolff Apts., Racine, Wis.
- BROWN, Walter E. (Junior, 1910), Ch. Engr., The United Iron Wks. Co., Ridge Arcade Bldg., Kansas City, Mo.
- BROWN, Wendell S. (Associate-Member, 1918), Industrial Engr., F. R. Sheldon & Co., 603 Industrial Trust Bldg., Providence, R. I.
- BROWN, Willard (1910), Ch. Engr., The Upson Nut Co., and *for mail*, 2207 E. 89th St., Cleveland, O.
- BROWN, William C. (1896), Ch. Engr., Humphrey Gas Pump Co., S. A. & K. Bldg., Syracuse, N. Y.
- BROWN, William H. (1909), Aeronautical M.E., Air Div., Bureau of Constr. & Repair, Navy Dept., 1100 Virginia Ave., S. W., Washington, D. C.; Pres., Brown Spring Oiler Co., 6911 Carnegie Ave., and 3813 Euclid Ave., Cleveland, O.
- BROWNE, Frank A. (1913), Mgr., The Barber Asphalt Paving Co., Maurer, and *for mail*, 168 High St., Perth Amboy, N. J.
- BROWNE, James H. (1912), Sales Engr., Am. Radiator Co., 115 N. Broad St., Philadelphia, and *for mail*, Montevista Apts., 63d and Oxford Sts., Overbrook, Pa.
- BROWNE, Robert L. (Associate-Member, 1917), Commer. Welding Engr., Goldschmidt Thermit Co., 120 Broadway, New York, N. Y.
- BROWNE, Thomas A. (Associate, 1916), Employment Supvr., The Sperry Gyroscope Co., Manhattan Bridge Plaza, and 285 McDonough St., Brooklyn, N. Y.
- BROWNELL, Frederick J. (Junior, 1918), Mech. Designer, Western Elec. Co., 463 West St., New York, and *for mail*, 524 Boyd Ave., Woodhaven, L. I., N. Y.
- BROWNELL, Louis M. (Associate, 1918), Partner, McCall, Brownell & Co, Aeolian Bldg, 33 W. 42nd St., New York, and 3 Kress Park, New Rochelle, N. Y.
- BROWNING, Charles, Jr. (1905), Foreman Lab., South. Pac. Co., and *for mail*, R. D. No. 3, Box 102, Sacramento, Cal.
- BROWNING, Earl H. (1915), V. P., Secy., The Mch. Products Co., Syracuse Ave. and Berlin Rd., and *for mail*, 936 E. 185th St., Cleveland, O.
- BROWNING, Frank H. (1914), M. E., The Union Sulphur Co., Sulphur, La.
- BROWNING, Victor R. (1908), Victor R. Browning & Co., and *for mail*, 17,701 Lake Shore Blvd., Cleveland, O.

- *BRUBACK, Theodore M. (Junior, 1916), Lieut., Engr. Corps, Research Div., Ellington Field, Texas, and *for mail*, 812 Peach St., Erie, Pa.
- BRUCE, Alfred W. (1914), Am. Loco. Co., 30 Church St., New York, N. Y.
- BRUCE, John M. (Associate, 1914), V. P., Genl. Sales Dir., Remington Typewriter Co., 374 Broadway and 32 W. 40th St., New York, N. Y.
- BRUCKNER, Rudolph E. (1909), Sales Engr., U. S. Gauge Co., 67 Wall St., and *for mail*, 672 St. Nicholas Ave., New York, N. Y.
- BRUFF, Charles E. (1908), Bradley, Bruff & Labarthe, 85 Second St., and 390 Arguello Blvd., San Francisco, Cal.
- BRUFF, Charles L. (1914), Cons. Mech. Engr., 1834 Shunk St., Philadelphia, Pa.
- BRUNGER, Harry L. (1913), Wks. Mgr., The Aultman & Taylor Mchy. Co., and *for mail*, 153 Western Ave., Mansfield, O.
- BRUNNER, George L. (Associate, 1915), Treas., Genl. Mgr., Brunner Mfg. Co., Broad and Gilbert Sts., and 817 Genesee St., Utica, N. Y.
- BRUNNER, Hans (1917; 1918), M.E., Essex Rubber Co., Inc., and *for mail*, 679 Rutherford Ave., Trenton, N. J.
- BRUNNER, Roy S. (1912), Genl. Mgr., Hamilton-Otto Coke Co., 201 Rentschler Bldg., and 413 North C St., Hamilton, Ohio.
- BRUNTON, David W. (1913), Advisory Bd., Invention Sec., Genl. Nav. Cons. Bd., Navy Dept., Washington, D. C., and 20 Grosvenor Sq., Schenectady, N. Y.; Cons. Engr., 730 Symes Bldg., and 865 Grant St., Denver, Colo.
- BRUSH, Alanson P. (1915), Ch. Engr., Brush Engrg. Assoc., 203 Boyer Bldg., and 93 Palmer Ave., W., Detroit, Mich.
- BRUSH, Charles F. (1880), Life Member; E. E., Ret., 481 The Arcade, and 3725 Euclid Ave., Cleveland, O.
- BRUSSEL, John W. (Associate-Member, 1917), Supt., Wright-Martin Aircraft Corp., Long Island City, and *for mail*, Hotel Nassau, 56 E. 59th St., New York, N. Y.
- BRYAN, Artis C. (Associate-Member, 1916), Ch. Engr., Factory Mgr., Durston Gear Co., Inc., and *for mail*, 3332 S. Salina St., Syracuse, N. Y.
- BRYAN, M. K. (Associate-Member, 1916), c/o Dr. J. T. Bryan, 1505 Highland Ave., Louisville, Ky.
- BRYAN, Walter E. (Associate-Member, 1914), Supt. Power Stas., United Rys. Co. of St. Louis, 3869 Park Ave., and 5915 DeGiverville Ave., St. Louis, Mo.
- BRYANS, Henry B. (1917; 1918), Engr., Counties Gas & Elec. Co., 212 De Kalb St., and 204 Franklin Ave., Norristown, Pa.
- BRYANT, F. J. (1902), Perfection Toy Craft Co., West Brookfield, Mass.
- BRYANT, George F. (1912), Pres., The Bryant Co., 58th & Filmore Sts., and 5009 Washington Blvd., Chicago, Ill.
- BRYANT, Percy J. (1916), Ch. Engr., U. S. Military Academy, West Point, and 7 Central Ave., Newburgh, N. Y.
- BRYANT, Raymond F. (Associate, 1917), Supt. of Production Efficiency, Yale & Towne Mfg. Co., and *for mail*, 268 South St., Stamford, Conn.
- *BRYANT, Robert E. (Junior, 1918), Capt., Ord. R. C., (Insp. Art. Amm.), The Worthington Pump & Mch. Corp'n, and *for mail*, 256 N. Church St., Hazleton, Pa.
- BRYANT, William L. (1910), Pres., Bryant Chucking Grinder Co., Springfield, Vt.
- *BRYCE, Richard M. (Junior, 1913), Prvt. (Sh. Draftsman), 3rd Provisional Ord. Battn., Co. "A," A. P. O. 741, A. E. F., France, via New York, and 5041 Cabanne Ave., St. Louis, Mo.
- BRYSON, Tandy A. (Associate-Member, 1916), Ch. Engr., Tolhurst Mch. Wks., 648 Fulton St., and 2228 Fifteenth St., Troy, N. Y.

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- BUCHANAN, Moses R. (Associate, 1917), Genl. Mgr., Silver City Power Co., Box 237, Silver City, New Mex.
- BUCHANAN, William C. (Associate-Member, 1918), Supt., Steel Wks., Rolling Mills, Am. Tube & Stamping Co., 766 Stratford Ave., Bridgeport, Conn.
- BUCHHAGEN, Walter H. (Junior, 1918), Exper. Engr., J. P. Devine Co., 1372 Clinton St., and *for mail*, 321 Fargo Ave., Buffalo, N. Y.
- BUCHEN, Joseph C. (Associate-Member, 1918), M. E., Miami Copper Co., Box 100, Miami, Ariz.
- BUCK, Carl F. (1914), Ch. Engr., Garfield Smelting Co., Garfield, Utah.
- BUCK, Charles A. (1918), V. P., Bethlehem Steel Co., Bethlehem, Pa.
- *BUCK, Irwin (Junior), Capt., Ord. Dept., U. S. A., Care of Army Inspec. of Ord., Willys-Overland Co., Toledo, Ohio; Partner, Fanning, Buck & Co., 321 W. 55th St., New York, N. Y.
- BUCK, Lucien (1911; 1913), Genl. Mgr., Parana Paper Co., Inc., Caixa Postal 310, Curitiba, Parana, Brazil, S. A.
- *BUCK, T. E. (Associate-Member, 1914), Ensign, U. S. N. R. F., Care of Postmaster, New York, N. Y.
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- *BUCKLEY, Ambrose T. (Junior, 1917), C. M. M. Student, U. S. Navy Aux., U. S. N. Steam Engrg. Sch., Stevens Inst., Hoboken, N. J., Cable Tester Engrg. Div., Fire Dept. of N. Y., Rm. 1111, Municipal Bldg., New York, and *for mail*, 712 Decatur St., Brooklyn, N. Y.
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- BUCKWALTER, Tracy V. (1913), Ch. Engr., Timken Roller Bearing Co., and *for mail*, 411 High Ave., S. W., Canton, O.
- BUDD, Edward G. (1903), Pres., Edward G. Budd Mfg. Co., 25th and Hunting Park Ave., Philadelphia, and *for mail*, 157 Pelham Rd., Germantown, Philadelphia, Pa.
- *BUDWELL, Leigh (Junior, 1916), 2nd Lieut., Engr., Corps, 61st Regt., Fort Benjamin Harrison, Ind.; M.E., R. F. & P. R. R. & W. S. Ry. Co., Boulton Shops, and *for mail*, Box 233, 14 N. 3rd St., Richmond, Va.
- BUENSOD, A. C. (Associate-Member, 1915), Sales Engr., Carrier Engrg. Corp., 39 Cortlandt St., and 61 W. 10th St., New York, N. Y.
- BUELL, Maurice L. (Junior, 1916), 402 Ninth Street, Brooklyn, N. Y.
- BUENGER, Albert (Junior, 1916), Box 141, Fayetteville, N. C.
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- BUERGER, Charles B. (1916), Cons. Engr., Atlantic Refining Co., 3144 Passyunk Ave., and 3740 N. 18th St., Philadelphia, Pa.

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- BUFORD, Edwin H. (Junior, 1916), Engr., of Design and Erection, Monsanto Chem. Wks., St. Louis, Mo.
- BUGGE, Sven B. (1916), Engr., Wausau Sulphate Fibre Co., Mosinee, Wis.
- BUKER, Henry (1907), Asst. Secy. and Sales Mgr., Brown & Sharpe Mfg. Co., and 395 Wayland Ave., Providence, R. I.
- BULKELEY, Claude A. (1909), Cons. M. & E. E., 1313 W. 8th St., Wilmington, Del.
- BULKLEY, J. N. (1902), c/o International Banking Corp., Shanghai, China, and 395 Central Park, W., New York, N. Y.
- BULL, Eyvind H. (1917), Engr., Green Engrg. Co., East Chicago, Ind., and *for mail*, 1540 E. 68th St., Chicago, Ill.
- BULLARD, Dudley B. (1889), M. E., The Bullard Mch. Tool Co., and 2429 North Ave., Bridgeport, Conn.
- BULLARD, Edward P. Jr. (1913), Pres., The Bullard Mch. Tool Co., Broad and Allen Sts., Bridgeport, Conn.
- BULLARD, John E. (Associate, 1913), Y. M. C. A., France, and *for mail*, 378 Wellington Ave., Providence, R. I.
- BULLARD, Maurice L. (Associate-Member, 1916), M. E., E. E., L. H. Shattuck, Inc., 208 Granite St., Manchester, and *for mail*, Portsmouth, N. H.
- BULLEN, Arthur C. (Junior, 1911), Genl. Engr., Holly Sugar Corp., and 209 14th St., Huntington Beach, Cal.
- BULLOCK, Edwin R. (1890; 1904), Asst. to Ch. Engr., Lorain Wks., Natnl. Tube Co., Lorain, and *for mail*, Y. M. C. A. Bldg., Elyria, O., also 38 Brook St., Pawtucket, R. I.
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- BUMP, Archie E. (1908; 1915), Mgr. Constr. and Mech., Depts., East Dist., Swift & Co., 60 N. Market St., Boston, and *for mail*, 39 Melville Ave., Dorchester, Mass.
- BUMP, Burton N. (1892; 1904), Mgr. Steam Dept., Engr. of Tests, Solvay Process Co., and 404 Hamilton St., Syracuse, N. Y.
- BUNGE, L. W. A. (Junior, 1916), Asst. M. E., Sanitary Dist. of Chicago, Harper Bldg., Chicago, and *for mail*, 418 N. Taylor Ave., Oak Park, Ill.
- BUNGE, Ralph W. (Junior, 1915), Wm. H. Bunge Co., 315 N. Ann St., M. E. The Fleischmann Co., and 3326 Park Ave., Chicago, Ill.
- BUNKER, Arthur H. (Junior, 1917), Refrig. Engr., Am. Ice Co., 1480 Broadway, New York, N. Y.
- BUNKER, Raymond U. (Junior, 1910), Partner, Robt. Sayre Kent, Inc., 50 Court St., Brooklyn, and 650 N. Broadway, Yonkers, N. Y.
- *BUNKER, Walter D. (Associate-Member, 1917), Capt., Engrs., U. S. A., and *for mail*, 329 49th St., Oakland, Cal.
- BUNN, Frank W. (1894), Ch. of Engrg. Dept., John A. Roebling's Sons Co., Trenton, N. J.
- BUNNELL, Sterling H. (1894; 1903), Ch. Engr., R. Martens & Co., Inc., 24 State St., New York, N. Y.
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- BUNZEL, Erwin (1916), Refrigerating Engr., Armour & Co., U. S. Yards, and *for mail*, 1338 Hollywood Ave., Chicago, Ill.
- BUZL, Walter G. (Junior, 1916), Prod. Foreman, Stand. Shipbuilding Co., Mariners Harbor, N. Y., and *for mail*, 175 W. 72d St., New York, N. Y.
- BURBANK, Albion P. W. (Associate, 1918), Sales Engr., B. F. Sturtevant Co., Rm. 555, John Hancock Bldg., Boston, and *for mail*, 44 Katherine Rd., Watertown, Mass.
- BURBANK, Louis S. (1898), M. E., Ludlow Mfg. Associates, Ludlow, Mass.
- BURCH, H. Kenyon (1910), Cons. Engr., Concentrating Dept., Phelps Dodge Corp'n., Box 905, Warren, Ariz., and 715 S. Oxford Ave., Los Angeles, Cal.
- BURCHARD, Anson W. (1888; 1891), V. P. Genl. Elec. Co., 120 Broadway, and 57 E. 64th St., New York, N. Y.
- BURDICK, Ellsworth J. (1913), Asst. Genl. Mgr., Detroit United Ry., Interurban Bldg., and 511 Seminole Ave., Detroit, Mich.
- BURDICK, Geo. S. (Associate-Member, 1914), Steam Engr., Allis-Chalmers Mfg. Co., Milwaukee, and *for mail*, 57 Chestnut St., Wauwatosa, Wis.
- BURDICK, Herbert (Associate-Member, 1917), Design. Engr., Ch. Draftsman, Pierce Aetg. Co., 137 E. 25th St., New York, and 317 Glenwood Ave., East Orange, N. J.
- *BURDICK, Theodore A. (Junior, 1918), Sergt., 1st Class, 437th Engrs., Genl. Engr. Depot, U. S. A., 1438 N. St., N. W., Washington, D. C.
- BURDSALL, Ellwood (1880; 1916), Secy. Treas., Engr., Russell, Burdsall & Ward Bolt & Nut Co., and King St., Port Chester, N. Y.
- BURGAN, A. L. (1897; 1899; 1903), Mill Supt., Tamarack Min. Co., Osceola Consld. Mfg. Co., Ahmeek Min. Co., Hubbell, Mich.
- BURGER, F. W. (Associate-Member, 1917), Asst. to Supt. of Exper. Dept., International Harvester Corp., Chicago, and *for mail*, P. O. Box 610, Riverside, Ill.
- BURGES, Charles W. (1914), Tool Engr., Hendee Mfg. Co., 837 State St., and *for mail*, 27 Albemarle Ave., Springfield, Mass.
- BURGESS, A. Bradley (1910; 1913; 1918), V. P. Stand. Plunger Elev. Co., 243 Stafford St., and 124 Brookline St., Worcester, Mass.
- BURGESS, Edward W. (Junior, 1908), Engrg. Dept., A. O. Smith Corp'n., and *for mail*, 615 39th St., Milwaukee, Wis.
- BURGHARDT, Henry D. (1913), Instr. Charge Mch. Shops, Wm. L. Dickinson H. S., and *for mail*, 125 Clifton Pl., Jersey City, N. J.
- BURGOON, Charles E. (1907), Engrg. Dept., Air Nitrates Corp'n., and *for mail*, Box 338, Muscle Shoals, Ala.
- BURHORN, Edwin (1914), Pres., Edwin Burhorn Co., 71 Wall St., New York, N. Y.
- BURKE, Albert G. Jr. (1913), Genl. Sales Mgr., Green Engrg. Co., 14 E. Jackson St., and *for mail*, 1365 E. 52nd St., Chicago, Ill.
- BURKE, James (1916), Pres., Burke Elec. Co., and 239 W. 10th St., Erie, Pa.
- *BURKE, Walter S. (1913), Lieut. Comdr., U. S. Navy (retired), U. S. Navy Yard, Boston, and *for mail*, 15 Lake View Ave., Cambridge Mass.
- BURKHOLDER, Charles I. (1912), Genl. Mgr., So. Power Co., and Myers Park, Charlotte, N. C.
- BURLEIGH, Chas. B. (1905), Dist. Mgr. Ltg. Dept. Genl. Elec. Co., 84 State St., Boston, and 11 Oak Terrace, Malden, Mass.

- BURLEIGH, R. Boyd (Associate-Member, 1914), Trav. Prod. Rep., Ord. Dept., Philadelphia Dist. Office, 1710 Market St., Phila., and *for mail*, Norwood Sta., Pa.
- BURLEIGH, William F. (1905), Genl. Supt., Murphy Varnish Co., 224 McWhorter St., and 48 Milford Ave., Newark, N. J.
- BURLEIGH, William H. (Junior, 1911), Cons. Div., Packard Motor Car Co., and *for mail* 472 Cadillac Ave., Detroit, Mich.
- BURLEIGH, William S. (Junior, 1913), Statistician, Wm. Whitman Co., Inc., 78 Chauncy St., Boston, and *for mail*, 80 Walnut St., Natick, Mass.
- *BURLING, Herbert S. (Junior, 1913), 2nd Lieut., 313th F. A., A. E. F., France, and 333 Springfield Ave., Summit, N. J.
- BURLINGAME, Wm. B. (1906), Box 68, Manati, P. R.
- BURLINGAME, Luther D. (1903), Industrial Supt., Brown & Sharpe Mfg. Co., and *for mail*, 15 Catalpa Rd., Providence, R. I.
- BURNELL, Alfred E. (Junior, 1915), Draftsman, The N. J. Zinc Co. of Pa., and *for mail*, 421 Lafayette Ave., Palmerton, Pa.
- BURNET, Edgar E. (1913), Rancher, Lincoln, Cal.
- BURNET, Tom (1915), Engr. in Charge, Bulawayo Waterworks Co., Ltd., P. O. Box 220, Bulawayo, Rhodesia, S. A.
- BURNETT, Earle S. (Associate-Member, 1913), Research Engr., The Normalair Co., and *for mail*, The Twin City Club, Winston-Salem, N. C.
- BURNETT, R. W. (1914), Master Car Builder, Del. & Hudson Co., *for mail*, The Ten Eyck Hotel, Albany, N. Y.
- BURNHAM, Charles (Associate-Member, 1917), Ch. Engr., Burnham Basket Co., 292 Fay Bldg., Los Angeles, and *for mail*, 906 Central Ave., Glendale, Cal.
- BURNS, A. L. (1888; 1897), V. P., Jabez Burns & Sons, 600 W. 43d St., New York, N. Y., and Glen Ridge, N. J.
- BURNS, Herbert A. (Associate-Member, 1917), Mgr., Shell Plant, New Home Sewing Mch. Co., S. Main St., and The Greyhound Inn, Orange, Mass.
- BURNS, Homer S. (1911), Supt. of Constr. and Operation of Plants, Freeport Sulphur Co., Bryan Mound, Freeport, Tex., and 1535 Third Ave., Huntington, W. Va.
- BURPEE, Frank E. (1914), Prof. M. E., Bucknell Univ., Lewisburg, Pa.
- BURR, Ellis M. (1917), Pres. The Burr Co., Champaign, Ill.
- BURR, Frank A. (1914), 63 Lowell Ave., Providence, R. I.
- BURR, William H. (1907), Cons. Engr., 120 Broadway, New York, N. Y., and *for mail*, New Canaan, Conn.
- *BURRAGE, Charles W. (Junior, 1914), Ensign, U. S. Nav. Avia. Instr., Columbia Univ., U. S. Nav. Gas Eng. Sch., and *for mail*, 20 S. 15th St., Flushing, L. I., N. Y.
- BURRELL, Benjamin S. (Associate-Member, 1917), Genl. M. M., Inland Steel Co., and *for mail*, Barker Bldg., Indiana Harbor, Ind.
- BURRESS, Lloyd F. (Junior, 1917), Supt. Coke Ovens, Ill. Steel Co., and *for mail*, 744 Jackson St., Gary, Ind.
- BURRILL, Albert S. (Associate-Member, 1917), Engr., Savage Arms Corp., Utica, and *for mail*, 9 Mauser Pl., Ilion, N. Y.
- BURROUGHS, Charles F. (1916), Pres., The Charles Burroughs Co., 141-149 Commerce St., Newark, and 122 Prospect St., East Orange, N. J.
- *BURROUGHS, Joseph H., Jr. (1911, 1913), Capt., C. A. C., 53rd Amm. Train, A. E. F., France, and *for mail*, 1026 Spruce St., Philadelphia, Pa.
- BURROW, Edgar A. (Associate, 1916), City Mgr., City of Stamford, Texas, and P. O. Box 550, Stamford, Texas.

- BURROWS, Robert J. (1914), Mgr. Axle Dept., Celfor Tool Co., and *for mail*, Box 693, Buchanan, Mich.
- *BURSLEY, Joseph A. (1906, 1910), Maj., Ord. Dept., U. S. A., Dist. Plant Sec. Mgr., Book Bldg., Detroit, Mich., Prof. M. E. Univ. of Mich., and *for mail*, 2107 Hill St., Ann Arbor, Mich.
- BURT, Austin (1913), Mgr., Citizens Gas & Elec. Co., and *for mail*, 631 W. 3d Ave., Waterloo, Ia.
- BURT, Clayton R. (1909), Genl. Mgr., Russell Motor Car Co., 93 Dewey Ave., Buffalo, N. Y.
- BURT, Geo. R. (1915), The Franklin Mch. Co., Inc., Park & Promenade Sts., P. O. B. 1393, and 129 Pleasant St., Providence, R. I.
- BURTON, Sylvester E. (Associate, 1914), Ch. Engr. Mech. Dept., Los Angeles Co., and *for mail*, 1265 W. 39th Pl., Los Angeles, Cal.
- *BURTON, W. Dean (1914), Aero. M. E., U. S. Signal Serv., Fort Omaha, and 1464 Emmet St., Omaha, Neb.
- BURTELL, Bertram W. (1913), Cons. Prod. & Sales Eng., 39 Elizabeth St., Hartford, Conn.
- BURWELL, Robert T. (1901), Ch. Inspr. Gulf Dept., Hartford Steam Boiler Inspec. & Ins. Co., 833 Gravier St., and *for mail*, 1709 Prytania St., New Orleans, La.
- BUSE, F. W. (1914), Dir., Deutsche Maschinenfabrik A. G. Duisburg, Germany, care of Neumeyer & Dimond, 82 Beaver St., New York, and 404 E. 18th St., Brooklyn, N. Y.
- *BUSH, Harold M. (1894; 1905), Col. 134th F. A., 37th Div., U. S. A., Camp Sheridan, Ala., Cons. Engr., 136 E. Gay St., Columbus, and Briggsdale, O.
- BUSHNELL, Burdge O. (Junior, 1918), M. E., New York Quebracho Extract Co., Green & West St., and 608 E. 21st St., Brooklyn, N. Y.
- BUSHNELL, Douglas S. (1909), Pres., N. Y. Transit Co., 26 Broadway New York, N. Y., and 30 Elm St., Morristown, N. J.
- BUSHNELL, Fred. N. (1891), Manager, 1917-1920; Engrg. Mgr., Stone & Webster, 147 Milk St., Boston, and 265 St. Paul St., Brookline, Mass.
- BUSHNELL, Horace C. (1913), Acting Supt. M. P., United Rys. & Elec. Co., 1310 Continental Trust Bldg., and 8 E. Read St., Baltimore, Md.
- BUSHNELL, J. E. (1913; Associate-Member, 1916), Engr., Robins Conveying Belt Co., 13 Park Row, New York, and *for mail*, Cold Spring, Putnam Co., N. Y.
- BUSHNELL, Leonard T. (1906; 1914), Secy., Treas., Rockwood Sprinkler Co., 532 First Ave., S., and 1123 16th Ave., N., Seattle, Wash.
- BUSSE, F. Ewald (1913), V. P., Barry-Wehmiller Mchy. Co., 6501 Florissant Ave., St. Louis, Mo.
- BUSSEY, Henson Estes (1918), Dist. Engr., Genl. Elec. Co., 1605 Third National Bank, and 49 W. 12th St., Atlanta, Ga.
- BUSTOS, Enrique (Associate-Member, 1918), Asst. Engr., Baltimore Copper Wks., Baltimore, Md.
- BUTCHER, Ira A. (Associate-Member, 1918), E. I. du Pont de Nemours & Co., Carney's Point, N. J., and *for mail*, 411 W. 11th St., Sioux Falls, S. Dak.
- BUTCHER, Joseph J. (1892), Cons. Engr., 290 Government St., Victoria, B. C., Canada.
- BUTLER, Joseph F. (1916), Purch. Agt. & Engr. of Inspec. Prod. Air Nitrates Corp., 511 5th Ave., New York, and *for mail*, Bayside, L. I., N. Y.
- BUTLER, Matthew J. (1912), L. L. D., C. M. G., Managing Dir., Armstrong, Whitworth of Canada, Ltd., 298-300 St. James St., and Windsor Hotel, Montreal, Que., Canada.

- BUTLER, Nathan R. (Associate-Member, 1914), Asst. Ch. Engr., Worthington Pump & Mch. Corp., 115 Broadway, New York, N. Y.
- BUTLER, Richard E. (Associate-Member, 1918), Engr., The Babcock & Wilcox Co., 1110 Farmers Deposit Bank Bldg., Pittsburgh, Pa.
- *BUTLER, Roland G. (Junior, 1914), 2nd Lieut., F. A. R. D., Camp Zachary Taylor, Louisville, Ky., and *for mail*, 505 S. Race St., Urbana, Ill.
- BUTLER, Thomas M. (Junior, 1915), Sales Engr., Oxweld Acetylene Co., 428 Leader News Bldg., Cleveland, O.
- BUTLER, William A. (1915), Asst. Supt. Power Stas., Duquesne Light Co., Rm. 914, 435 Sixth Ave., and *for mail*, 5622 Phillips Ave., Pittsburgh, Pa.
- *BUTTERFIELD, Thomas E. (1912), Maj., C. A., N. A., Fortress Monroe, Va., and 28 Sargent St., Westbrook, Me.
- BUTTOLPH, Benjamin G. (1905), V. P., Engr., Mfrs. Mut. Fire Ins. Co., 815 Grosvenor Bldg., and 315 Thayer St., Providence, R. I.
- BUVINGER, George A. (1901; 1904), Engr. Exper. Div. No. 1, Dayton Metal Products Co., and *for mail*, 971 Cottage Grove Ave., Dayton, O.
- BUXBAUM, William (Associate-Member, 1917), Supt., Tool Dept., Winchester Repeating Arms Co., and *for mail*, Hotel Duncan, New Haven, Conn.
- *BUYERS, A. S. (Junior, 1912), Capt., C. A. C., U. S. A., Fort Mills, Corregidor, Is., Manila, P. I.
- *BUZBY, Paul M. (Junior, 1918), 1st Lieut. Ord. Dept., U. S. A., U. M. C., Bridgeport Wks., Bridgeport, Conn.
- BYANSKAS, John M. (Junior, 1917), Beth. Shipbldg. Corp., Fore River Plant, and 1136 Hancock St., Quincy, Mass.
- *BYLLESBY, H. M. (1882), Lieut. Col., Sig. C., U. S. A., Hdqrs., Ch. Sig. Officer, 1607 H St., N. W., Washington, D. C.
- *BYRON, Leroy T. (Junior, 1916), Ch. Petty Officer, U. S. N. R. F., Brooklyn Navy Yard, and *for mail*, 131 Oak St., Brooklyn, N. Y.
- CABLE, Davis A. (Associate-Member, 1916), Genl. Supt., U. S. Roofing Tile Co., Box 102, East Sparta, and 316 Dryden Ct., N. W., Canton, O.
- CABOT, Walter K. (Associate-Member, 1917), Asst. Mgr., M. E., Wm. Underwood Co., 52 Fulton St., Boston, and 10 Acorn St., Belmont, Mass.
- CADE, Charles W. (1914), Mgr., McKinney Mfg. Co., Pittsburgh, and *for mail*, 400 Dawson Ave., Bellevue, Pa.
- CADWALLADER, Harry, Jr. (1913), Efficiency Engr., 1413 Somerset St., Philadelphia, Pa.
- CADY, Ceylon R. (1914), Mgr. Wheel Dept., The Clark Equip. Co., Buchanan, Mich.
- CADY, Harrison R. (Junior, 1916), M.E., Bureau of Water, Rm. 795, City Hall, and *for mail*, Monterey Apts., 43rd St. & Chester Ave., Philadelphia, Pa.
- CAHILL, Anthony M. (Associate-Member, 1917), Equip. & Process Engr., Winchester Repeating Arms Co., New Haven, and *for mail*, 9 Lexington St., Highwood, Conn.
- *CAHILL, Edward H. (Associate-Member, 1914), Capt., Ord. Dept., U. S. A., Engrg. Div. Mgr., St. Louis Ordnance Dist., Equitable Bldg., St. Louis, Mo.
- CAHILL, John E. (Associate-Member, 1918), Ampudia & Cahill, Inc., Engrs., and J. E. Cahill & Co., Tech. Illus., 18 Broadway, New York, N. Y.
- CAINE, Wm. P. (1899; 1904; 1918), Steam Engr. Ensley Wks., Tenn. Coal, Iron & R. R. Co., and *for mail*, P. O. Box 27, Ensley, Ala.
- CAIRNS, William (1911), Mgr., Detroit Pressed Steel Co., 1800 Mt. Elliott Ave., and 204 Longfellow Ave., Detroit, Mich.

- CAJANDER, S. G. (1913), Mgr., Cia Sud-Americana S. K. F., Estado No. 50, and *for mail*, Casilla No. 207, Santiago, Chile, S. A.
- CALAME, Armand (1918), Asst. Foreman of Mch. Dept., Elgin Natnl. Watch Co., and *for mail*, 325 Griswold St., Elgin, Ill.
- CALDER, C. B. (1895), V. P., Genl. Mgr., The Toledo Shipbuilding Co., and 623 W. Bancroft St., Toledo, O.
- CALDER, John (1903), Cons. Engr., 35 W. 39th St., New York, N. Y., and 25 Merriam St., Lexington, Mass.
- CALDERWOOD, James P. (Junior, 1913), Prof. of Gas & Steam Engrg., The Kansas State Agri. College, Manhattan, Kan.
- CALDWELL, James H. (1912), Pres., Gen. Mgr., Engr., The Ludlow Valve Mfg. Co., Troy, N. Y.
- CALDWELL, Wm. E. (Junior, 1918), Test. Engr., The United Elec. Light & Power Co., 201st St. & 9th Ave., and 48 Post Ave., New York, N. Y.
- CALHOUN, Le Roy V. (Associate-Member, 1918), Asst. Shop Supt., Hull Div., Navy Yard, and *for mail*, 1053 E. 12th St., Brooklyn, N. Y.
- CALKINS, Marcus E. (1914), Genl. Mgr., Rock Salt Corp., Ithaca, N. Y.
- CALLAN, William H. (1913), V. P., Chicago Pneumatic Tool Co., 1014 Fisher Bldg., and 3647 Pinegrove Ave., Chicago, Ill.
- CALLERY, Joseph C. (1918), Ch. Engr., The J. C. Callery Engrg. Co., 108½ N. 3rd St., and 1530 Summit St., Columbus, Ohio.
- CALLESEN, Wm. Bjoern (Associate-Member, 1918), Ch. Draftsman, Development Dept., Firestone Tire & Rubber Co., Akron, O.
- CAMERON, Barton H. (1903), Pres. Cameron Stove Co., Box 635, Richmond, and *for mail*, Gordonsville, Va.
- CAMERON, Hugh M. (Junior, 1918), Ch. Eng. Draftsman, Saginaw Shipbldg. Co., and *for mail*, 415 Carroll St., Saginaw, Mich.
- CAMERON, James S. (Associate-Member, 1916), Supt., Cable Shop. Co., Ltd., 121 Shearer St., and 34 Vendome Ave., Montreal, Que., Canada.
- CAMERON, N. C. (1917), Ch. Engr., Imperial Tobacco Co. of Canada, Ltd., 900 St. Antoine St., Montreal, Que., and *for mail*, 4172 Dorchester St., Westmount, Que., Canada.
- CAMM, John A. (1917), Sales Dept., Kearney & Trecker Co., Milwaukee, Wis.
- CAMMACK, Albert (Associate-Member, 1918), Prof. of Steam Engrg., Washington State College, and *for mail*, 403 Montgomery St., Pullman, Wash.
- CAMP, Eugene V. (Associate-Member, 1917), Cons. Engr., Box 421 Atlanta, Ga., and *for mail*, Box 22, Panta Garda, Fla.
- CAMP, William E. (Junior, 1915), Spec. Expt., U. S. Shipping Bd., 1319 F St., N. W., Washington, D. C.
- CAMPBELL, Andrew C. (1885; 1889), Pres., Mgr., Andrew C. Campbell, Inc., 42 State St., and *for mail*, 186 Hillside Ave., Waterbury, Conn.
- CAMPBELL, Donald (1914), Rogers, Kennedy & Campbell, 15 Broad St., New York, N. Y.
- *CAMPBELL, E. Gordon (1918), Capt. Engrs., U. S. A., 1323 Vermont Ave., Washington, D. C.
- *CAMPBELL, Edmund D. (1916), Maj., Ord., U. S. A., Sea Coast Sec., Carriage Div., and *for mail*, 1743 P St., N. W., Washington, D. C.
- CAMPBELL, Gordon (1891; 1914), Pres., and Genl. Mgr., York Rys. Co., 27 W. Market St., and R. F. D. 9, York, Pa.
- CAMPBELL, Gordon M. (1906), Wks. Mgr., Kerr Turbine Co., and 35 Highland Ave., Wellsville, N. Y.
- CAMPBELL, James A. (1915; 1917), Mech. Supt., Lever Bros., and *for mail*, 26 Gurney St., Cambridge, Mass.

- CAMPBELL, James R. (1918), M.E., Drawing Rm., Baldwin Loco. Wks., 500 N. Broad St., Philadelphia, Pa.
- *CAMPBELL, Jeremiah (Associate, 1896), Maj. Engrs., U. S. R. C., U. S. Army P. O. 702, Am. Exped. Forces, France.
- CAMPBELL, Norman St. G. (1917), Registrar, Kingsley Sch., Essex Fells, N. J.
- CAMPBELL, Thomas D. (1914), Pres., Thomas D. Campbell & Co., Washington Bldg., Los Angeles, Cal.
- CAMPION, Norman G. (1914), Genl. Mgr., Calamba Sugar Estates, Canlubang, Laguna Province, P. I.
- CANADY, J. F. (1913), Pres., Blaisdell-Canady Co., 90 West St., New York, and 138 Joralemon St., Brooklyn, N. Y.
- CANAVAN, Asa L. (1918), Southwestern Rep., W. H. Miner, 548 Oakwood Ave., Webster Groves, Mo.
- CANBY, H. B. (1904; 1917), Pres., Crawford, McGregor & Canby Co., and *for mail*, 130 Belmont Ave., Dayton, Ohio.
- CANBY, W. Poyntell (Associate-Member, 1918), Engr. of Test, Parkesburg Iron Co., Parkesburg, and *for mail*, East Downingtown, Pa.
- CANTELL, Mark T. (1918), Cons. Engr., 108 Union Trust Bldg., Winnipeg, Manitoba, Canada.
- CANTER, Maurice J. (Junior, 1918), Prod. Engr., Midvale Steel & Ordnance Co., Nicetown Wks., P. O. Box 1322, and *for mail*, 1914 N. 31st St., Phila., Pa.
- CAPEN, Fredrick B. (Junior, 1917), Eff. Engr., The Texas Co., Port Arthur, Tex.
- CAPEN, Thomas W. (1883), 748 Ogden Ave., Benton Harbor, Mich.
- CAPP, John A. (1901), Ch. of Test. Lab., Genl. Elec. Co., and *for mail*, 62 Bedford Rd., Schenectady, N. Y.
- CARACRISTI, V. Z. (1904; 1907), Cons. Engr., 30 Church St., New York, and *for mail*, Pondfield Court, Bronxville, N. Y.
- CARBO, L. A. (Junior, 1909), Ch. Engr., Municipality Guayaquil, P. O. Box 15, and 419 Bolivar St., Guayaquil, Ecuador, S. A.
- CARBONE, Mario G. (Associate-Member, 1916), Mgr., Italian-Swiss Colony, 721 Washington St., New York, and *for mail*, 4702 Ft. Hamilton Ave., Brooklyn, N. Y.
- CARD, Frederic M. (1906), 116 Edna Ave., Bridgeport, Conn.
- CARDULLO, Forrest E. (1910), Engr. of Tests, Curtiss Aeroplane & Motor Corp'n., and *for mail*, 759 Amherst St., Buffalo, N. Y.
- CAREW, Clement J. (1902), Mgr., Stoneboro Plant, Franklin Mfg. Co., Stoneboro, and *for mail*, 1011 W. 8th St., Erie, Pa.
- CAREW, William A. (1918), Genl. Supt., Morgan Engrg. Co., Jersey City, N. J., and *for mail*, 430 82nd St., Brooklyn, N. Y.
- CAREY, H. Bissell (1918), M. S. Little Mfg. Co., Hartford, Conn.
- CAREY, Herbert W. (1910; Associate-Member, 1917), Supt., The Stand. Elec. Time Co., 89 Logan Ave., and *for mail*, 26 Monmouth St., Springfield, Mass.
- CAREY, James L. (1918), Paper Mill Arch. & Engr., 208 N. Lorraine Ave., and 5308 Washington Blvd., Chicago, Ill.
- *CAREY, Thomas H. (Associate-Member, 1915), Lieut. (j. g.), Engr. Officer Dept., U. S. S. *Oriole*, and *for mail*, 56 Lincoln Ave., Newark, N. J.
- CARGILL, Walter N. (1912), Mgr., The Lumsden & Van Stone Co., 426 First St., S. Boston, and *for mail*, 180 Pleasant St., Arlington, Mass.
- CARHART, Alfred B. (1907), Wks. Mgr., Crosby Steam Gage & Valve Co., Boston, and *for mail*, 10 Roland St., Charlestown, Mass.
- CARHART, Herbert A. (1912), Engr., Lincoln Motor Co., W. Warren &

- Livemois Sts., Detroit, Mich., and *for mail*, 414 Douglas St., Syracuse, N. Y.
- CARIS, I. B. (1912), M. E., Office, Semet-Solvay Co., and *for mail*, 1148 Bellevue Ave., Syracuse, N. Y.
- CARISS, Carington C. (1911; 1918), Estimating Engr., Waterous Eng. Wks. Co., Ltd., and *for mail*, 95 William St., Brantford, Ont., Canada.
- CARL, Fred H., (Associate-Member, 1918), Engr., Westinghouse, Church, Kerr & Co., 37 Wall St., New York, N. Y. and *for mail*, P. O. Box 94, West Palisade, N. J.
- CARLE, Nathaniel A. (1907), Ch. Engr., Pub. Serv. Elec. Co., Pub Serv. Terminal, and 392 Ridge St., Newark, N. J.
- CARLETON, Robert A. (1913), Pres., Carleton-Mace Engrg. Corp., 38 Chardon St., Boston, and 14 Hobart St., Brighton, Mass.
- CARLISLE, Charles A., Jr. (Junior, 1918), Savage Arms Corp., and *for mail*, 486 Genesee St., Utica, N. Y.
- CARLSON, Adolph G. (1917), Ch. Engr., Universal Portland Cement Co., 208 S. La Salle St., and *for mail*, 7207 Paxton Ave., Chicago, Ill.
- CARLSON, Carl T. (Associate-Member, 1915), Combustion Engr., City of Gothenburg, and *for mail*, Kopmangatan 5, Gothenburg, Sweden.
- CARLSON, Charles A. (Associate-Member, 1914), Genl. Draftsman, Deere & Co., and *for mail*, 1532 11th Ave., Moline, Ill.
- *CARLSON, Clarence A. (Junior, 1917), 1st Class Pvt., 20th Co., Art., Fort Terry; M. E., The United Paperboard Co., 171 Madison Ave., and 1453 76th St., New York, N. Y.
- CARLSON, John A. (Associate-Member, 1916), Efficiency Engr., Agnegatau 3, Stockholm, Sweden.
- CARLSON, Walter W. (1914), Prof. of Shop Practice, Kan. State Agri. College, and *for mail*, 1130 Bluemont Ave., Manhattan, Kan.
- CARLSSON, Carl A. V. (1905), Ord. Engr., Navy Dept., Ord. Office, Navy Yd., Washington, D. C., and *for mail*, Lanham, Md.
- CARLTON, Joseph R. (1918), Mech. Testing for Pub. Serv. Elec. Co., 102 River St., and *for mail*, 25 St. Paul Ave., Newark, N. J.
- CARLTON, Willard G. (1906), Supt. of Power, Elec. Div., N. Y. C. & H. R. R. R., Grand Central Sta., New York, N. Y.
- CARLYLE, Arthur R. (1913), Surveyor, Am. Bureau of Shipping, Am. Lloyds, Designing Marine Engr., Union Oil Co. of Cal., 1311 Union Oil Bldg., and 1242 Crown Hill Ave., Los Angeles, Cal.
- CARMAN, Edwin S. (1917), Secy., Ch. Engr., The Cleveland Osborn Mfg. Co., 5401 Hamilton Ave., Cleveland, and 2000 Stanwood Rd., East Cleveland, Ohio.
- CARMAN, Joseph F. (Associate-Member, 1918), Ch. Engr., Abraham & Straus, and *for mail*, 215 78th St., Brooklyn, N. Y.
- CARMICHAEL, Victor V. (Junior, 1918), Asst. Supt., Power-Aluminum Ore Co., E. St. Louis, Ill.
- CARNEGIE, Andrew (1890; Honorary, 1907), Philanthropist, 2 E. 91st St., New York, N. Y.
- CARNEGIE, James (Associate-Member, 1917), Supt. of Constr., John Nooter Boiler Wks., 1400 S. 2nd St., St. Louis, Mo.
- CARNEY, Edward B. (Associate-Member, 1917), M. E., P. O. Box 280, Dunellen, N. J.
- CARNEY, Joseph F. (1915), Mech. Supt., Greeley Sq. Hotel Co., Hotel McAlpin, and 726 Beck St., New York, N. Y.
- *CAROTHERS, Charles G. (1917), Capt. Engrs., U. S. A., 58th Engrs., U. S. Army P. O. No. 712, France, and *for mail*, 2308 Colfax Ave., Evanston, Ill.
- CARPENDER, Sydney B. (1916), V. P., Genl. Mgr., Brunswick Refrig. Co., and Lindenwood, New Brunswick, N. J.

- CARPENTER, Allan O. (Associate, 1909), Designing Dept., Ingersoll-Kand Co., Painted Post, and *for mail*, 12 E. 3d St., Corning, N. Y.
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- CARPENTER, Frank G. (1918), Supt. Plant & Ch. Contr. & Engr., P. Burns & Co., Ltd., and *for mail*, 26 New St., Calgary, Alberta, Canada.
- *CARPENTER, Frederick S. (Junior, 1916), 1st Lieut., Sig. Corps, 119 D St., N. E., Washington, D. C.
- CARPENTER, Harold (1908), Res. Engr. Astoria Tunnel, Astoria Light, Heat & Power Co., E. 132d St. and Locust Ave., and *for mail*, 938 St. Nicholas Ave., New York, N. Y.
- CARPENTER, Henry A. (1893; 1899), R. F. D. 3, Sewickley, Pa.
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- CARPENTER, Hubert V. (1917), Dean, College of Mech. Arts & Engrg., State College of Washington, and *for mail*, 300 Oak St., Pullman, Washington.
- CARPENTER, James M. (1907), Pres., Treas., Genl. Mgr., J. M. Carpenter Tap & Die Co., 17 Newell Ave., and 199 West Ave., Pawtucket, R. I.
- CARPENTER, R. C. (1912), Prof. M. E. & Supt. of Power Plant, Mississippi Agricultural & Mechanical College, Agricultural College, Miss.
- CARPENTER, Ralph E. (Associate, 1913), Dir. of Serv., The Aluminum Castings Co., 2820 Harvard Ave., and *for mail*, 2813 Coleridge Rd., Cleveland, Ohio.
- CARPENTER, Raymond (1911), M. E., 246 Springdale Ave., East Orange, N. J.
- CARPENTER, Rolla C. (1883), Vice-President, 1908-1910; Cons. M. E., Emeritus Prof., Cornell Univ., and *for mail*, 125 Eddy St., Ithaca, N. Y., also, Carpenter & Carpenter, Denver, Colo.
- CARR, Edward W., Jr. (Associate, 1916), Pres., E. W. Carr, Inc., 425 Gravier St., and 6322 Cromwell Pl., New Orleans, La.
- CARR, Jesse D. (1910), Factory Supt., The Am. Cement Products Co., 3248 Long Beach Ave., and *for mail*, 223 S. Coronado St., Los Angeles, Cal.
- CARREL, J. Wallace (Associate, 1918), V. P. & Genl. Mgr., The Lodge & Shipley Mch. Tool Co., 3065 Colerain Ave., and 1025 Redway Ave., Cincinnati, Ohio.
- CARRIER, Willis H. (1905; 1912), Pres., Carrier Engrg. Corp., 39 Cortlandt St., New York, N. Y.
- CARROLL, Alexander W. (1905), Genl. Foreman, Raritan Copper Wks., Perth Amboy, and *for mail*, 524 Westminster Ave., Elizabeth, N. J.
- CARROLL, Elbert H. (1900), Ch. Engr., Morgan Constr. Co., 15 Belmont St., and *for mail*, 3 Rutland Terrace, Worcester, Mass.
- *CARROLL, Emil J. (1918), Lieut., Bureau of Steam Engrg., Rm., 2332, Navy Dept., Washington, D. C.
- CARROLL, John T. (1913), Asst. Genl. Supt. M. P., Baltimore & Ohio R. R., Genl. Office, Baltimore, Md.
- CARROLL, Lafayette D. (1888), Life Member; M. E., care of Humphreys & Glasgow, 38 Victoria St., London, S. W., England.
- CARROLL, M. B. (1911; 1917), Genl. Elec. Co., West Lynn, and 90 Walker Rd., Swampscott, Mass.
- CARSE, David B. (1889), Cons. Engr., 71 Broadway, New York, and Park Hill-on-Hudson, N. Y.

- *CARSE, H. E. (1918), Lieut., U. S. N. R. F., Eng. Duty, U. S. N. R. Training Camp, San Pedro, and *for mail* 3838 S. Hill St., Los Angeles, Cal.
- CARSE, John B. (1903), Mem. Advis. Com., U. S. Steel Corp., 71 Broadway, and Riverdale-on-Hudson, New York, N. Y.
- *CARSON, C. B. (Junior, 1914), 1st Lieut., Ord. R. C., Carriage Sec., Prod. Div., 7th & B Sts., N. W., and *for mail*, 1801 K St., N. W., Washington, D. C.
- CARSON, Charles M. (1913), Industrial Mgr., Cadillac Motor Car Co., 1343 Cass Ave., and *for mail*, 172 Bethune Ave., W., Detroit, Mich.
- CARSON, Louis T. (1917), Asst. Ch. Engr., Great West. Sugar Co., 602 Sugar Bldg., and *for mail*, 2948 Federal Blvd., Denver, Colo.
- CARSON, Whitfield R. (1910), Ass't Ch. Engr., The Grasselli Chem. Co., 14th Floor, Guardian Bldg., Cleveland, and Wood St., South Euclid, O.
- CARSTENS, Alexander B. (1906), M. E. Compania Minerales y Metales, S. A., 130 Matameros, and *for mail*, Apartado 137, Monterey, N. L., Mex.
- CARTER, Chester A. (Junior, 1916), Irrigation Engr., Carter Bros., Garden City, Kan.
- *CARTER, Clifford R. (Associate-Member, 1917), Avia. S. Sig. C., Equip. Div., Hotel Charlevoix, Detroit, Mich., and *for mail*, 40 Bridge St., Newton, Mass.
- CARTER, Emmett B. (1912), Plant Engr., Midvale Steel & Ord. Co., Nicetown, and 7201 Greene St., Germantown, Philadelphia, Pa.
- CARTER, Harold T. (Junior, 1910), Engr., Water Works, Aish Bagh, Lucknow, India.
- *CARTER, Harry D. (1914), Capt., Ord. Dept., U. S. A., and *for mail*, 55 Venterva St., Springfield, Mass.
- CARTER, Henry W. (1892, 1903), Mech. Expt., 1425-7 Monadnock Blk., and 6132 Winthrop Ave., Chicago, Ill.
- CARTER, J. Wallace (Associate-Member, 1918), 44 Garden St., Hartford, Conn.
- CARTER, Oscar S. (Associate-Member, 1917), Mech. Engr., Conn. Light & Power Co., Lille Bldg., 111 W. Main St., and 80 Willow St., Waterbury, Conn.
- CARTER, Robert A., Jr. (1916), Asst. Engr. of Mfr., Consld. Gas Co., 130 E. 15th St., New York, and 166 71st St., Brooklyn, N. Y.
- CARTER, William A. (1911), Cons. Engr., P. O. Box 139, Bulawayo, Rhodesia, and Trenanee House, Bulawayo North, Rhodesia, South Africa.
- CARTER, William C. (1917), Supt., Link-Belt Co., 39th St. and Stewart Ave., and *for mail*, 5429 Ingleside Ave., Chicago, Ill.
- *CARTER, William D. (1916), Capt. O. O. R. C., and *for mail*, Hotel Sheffield, Sheffield, Ala.
- CARTMELL, N. Madison (Junior, 1918), Ch. Machinists Mate, U. S. N. R. F., U. S. Navy Steam Engrg. Sch., and *for mail*, care of A. S. M. E., 29 W. 39th St.
- CARTY, Roy F. (Junior, 1912), M. E., U. S. Shipping Bd., U. S. S.*B. Bldg., and *for mail*, 1331 Gallatin St., N. W., Washington, D. C.
- *CARVER, Edgar M. (Junior, 1915), Capt., Ord. Dept., U. S. A., Chicago Dist. Ord. Office, 155 Superior St., Chicago, Ill.
- CARVER, Fred S. (Associate-Member, 1916), Cons. Engr., 8 W. 40th St., New York, N. Y., and 11 Hawthorne Pl., East Orange, N. J.
- CARVETTE, Charles W. (Associate-Member, 1918), Military Engr., Remington Arms, U. M. C. Co., Inc., 339 Barnum Ave., and *for mail*, 370 East Ave., Bridgeport, Conn.
- CARY, Albert A. (1889), Cons. M. E., 95 Liberty St., New York, N. Y.

- CARY, Arthur F. (1916), M. E., Stanley Motor Carriage Co., Newton, and *for mail*, 18 Hill St., Watertown, Mass.
- *CARY, James W. (Junior, 1915), Prvt., 48th Co., C. A. C., Presidio for San Francisco, and *for mail*, Route "A," Box 74, Visalia, Cal.
- CASABLANCA, Frank J. (Junior, 1917), Ruiz 89, Cardenas, Cuba.
- CASE, Albert H. (1903; 1916), Cons. Engr., Tennessee Copper Co., Rm. 1824, 61 Broadway, New York, N. Y., and 602 E. Dudley Ave., Westfield, N. J.
- *CASE, Allando A. (1918), Capt., Ohio State Univ., Columbus, Ohio.
- CASE, G. Harry (1911), Ch. Engr., Southwark Fdy. & Mach. Co., Washington Ave., and *for mail*, 23 East Greenwood Ave., Lansdowne, Pa.
- *CASE, George S. (1917), Maj., Chem. Warfare Serv., U. S. A., 723 Mills Bldg., and *for mail*, George Washington Inn, Washington, D. C.
- CASE, Lynn B. (Junior, 1918), Ch. Engr., Standard Wall Paper Co., Hudson Falls, N. Y.
- *CASE, Milo M. (1909; 1916), Maj. Ord. R. C., Insp. of Ord., U. S. A., care of Bethlehem Steel Co., South Bethlehem, Pa.
- CASE, Willard L. (1915), Cons. Engr., Willard Case & Co., 17 Battery Pl., New York, N. Y., and 1121 Putnam Ave., Plainfield, N. J.
- CASEY, Albert O. (Associate-Member, 1918), Engr. on Telephone Apparatus, Western Elec. Co., Inc., 463 West St., New York, and *for mail*, 1488 E. 15th St., Brooklyn, N. Y.
- CASH, Arthur W. (1899), Pres., A. W. Cash Co., 250 E. Wood St., Decatur, Ill.
- CASHEN, Henry C. (Associate, 1917), M. M., The Bradley & Hubbard Mfg. Co., and *for mail*, 31 N. 3rd St., Meriden, Conn.
- CASLER, Frank W. (1913), Genl. Supt. of Production, Pub. Serv. Elec. Co., 759 Broad St., Newark, and 456 Summit Ave., South Orange, N. J.
- CASLER, Herman (Junior, 1901), Treas., Marvin & Casler Co., Canastota, N. Y.
- CASPARIS, Kenneth E. (Associate-Member, 1914), Supt., The Casparis Stone Co., Centerville, O.
- CASSIDY, Andrew G. (1911), M. M., Waltham Watch Co., Waltham, Mass.
- *CASSIDY, Perry R. (Junior, 1913), Capt. C. A. O. R. C., Box 145, Fort Monroe, Va.
- CASTANEDO, Walter (1907; 1909), 1101 Hennen Bldg., and 1514 Peters Ave., New Orleans, La.
- CASTLE, John S. P. (Junior, 1899), Ch. Engr., Benedict and Burham Branch, Am. Brass Co., Waterbury, Conn.
- CASTLE, S. N. (1909; 1911), Engr., Genl. Elec. Co., 120 Broadway, New York, and Davenport Neck, New Rochelle, N. Y.
- CASWELL, Wilfred H. (1918), M. M., Sandy River & Rangeley Lakes R. R., Phillips, Me.
- *CATHCART, William L. (1899), Lieut. Com., U. S. N. R. F., Bureau Steam Engrg., Navy Dept., and *for mail*, 1253 Irving St., N. W., Washington, D. C., also 636 Westview St., Germantown, Philadelphia, Pa.
- CATHER, William A. (Junior, 1916), Sales Engr., Worthington Pump & Mchy. Corp., 115 Broadway, New York, N. Y., and 751 Kearny Ave., Arlington, N. J.
- CATLAND, Raymond O. (Junior, 1915), Designer, Fergus Motors Co. of Am., 370 Jelliffe Ave., and *for mail*, 382 Belmont Ave., Newark, N. J.
- CATLIN, Abel D. (1906; 1907), V. P., Wks. Mgr., The Wheland Co., and *for mail*, 612 Vance Ave., Chattanooga, Tenn.
- CATTERMOLE, Lester G. (Junior, 1917), Supv. Engr., Cooley & Mar-

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- CAUTELY, John R. (1917), Wright-Martin Aircraft Corp., New Brunswick, N. J., also 419 W. 118th St., New York, N. Y.
- CAVE, Henry (1917), Factory Mgr., S. K. F. Ball Bearing Co., 330 New Park Ave., and 290 Collins St., Hartford, Conn.
- CAVE, John R. (1913), Fuel Engr., Bd. of Education, 500 Park Ave., New York, and *for mail*, Bayside Blvd., and 5th St., Bayside, N. Y.
- CAVIN, Gustave (1916), Ch. M. E., Canadian Loco.-Co., Ltd., and 251 Johnston St., Kingston, Ont., Canada.
- CAZINOVE, Louis A., de Jr. (1905, 1911), Ch. Engr. & Purchasing Agt., Natnl. Tractor Co., 8th Ave. & Walnut St. and Hotel Cinpailly, Cedar Rapids, Ia.
- CEBRAT, Paul (1918), Estimator & Purchasing Engr., C. P. Perin & S. M. Marshall, Rm. 1310, 2 Rector St., New York, N. Y.
- CECIL, Wm. D. (Junior, 1918), Res. Material Inspc. for B. & O. R. R., 205 Central Union Sta., Cincinnati, O.
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- CHACE, Howard P. (Junior, 1915), M. M., Norton Grinding Co., New Bond St., and *for mail*, 76 Birch St., Worcester, Mass.
- CHACE, William W. (1908), M. E., Cleveland Twist Drill Co., 1242 E. 49th St., and *for mail*, Amesbury Apt., 18,103 Canterbury Rd., Cleveland, O.
- CHADBOURNE, John L. (Junior, 1918), Quarantine Camp, care of 231 Sick Bay, Navy Yard, Philadelphia, Pa., and North Berwick, Me.
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- CHADWICK, Lee S. (1899; 1909), Asst. Genl. Mgr. and Ch. Engr., Cleveland Metal Products Co., 7609 Platt Ave., Cleveland, and *for mail*, 1852 Hastings Ave., East Cleveland, O.
- CHALKLEY, Curtis R. (Junior, 1916), Engrg. Dept., The Am. Tool Wks. Co., Pearl and Eggleston Ave., and *for mail*, 911 Rogers Pl., Cincinnati, O.
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- CHAMBERLAIN, A. B. (1911), Engr. Steam Div., Sta. Engrg. Dept., Constr. Bureau, The Edison Elec. Ill. Co. of Boston, 39 Boylston St., Boston, and *for mail*, 124 Marlboro St., Wollaston, Mass.
- CHAMBERLAIN, Frederick H. (1916), V. P., The Calco Chem. Co., Bound Brook, and 1060 Hillside Ave., Plainfield, N. J.
- CHAMBERLAIN, George E. (1907), Gen. Supt. & Ch. Engr., A. E. Staley Mfg. Co., 7th St., and *for mail*, 1650 E. William St., Decatur, Ill.
- *CHAMBERLAIN, Paul M. (1890; 1899), Maj., Ord. Sec., O. R. C., Cons. Engr., 1719 Marquette Bldg., and *for mail*, 427 Diversey Parkway, Chicago, Ill.
- CHAMBERLAIN, William F. (Associate, 1907), Supt. Group Div., The Travelers Ins. Co., Hartford, Conn.
- CHAMBERLAIN, William T. (1917), Managing Engr., Pierce & Skogmark, Inc., 35 Nassau St., and *for mail*, 316 W. 97th St., New York, N. Y.

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- CHAMBERS, Charles E. (1913), Supt. M. P., Central R. R. of N. J., Jersey City, and *for mail*, 135 Fourth Ave., E., Roselle, N. J.
- CHAMBERS, Norman C. (1905; 1904), Spec. Engr., Niles-Bement-Pond Co., 111 Broadway, New York, N. Y.
- CHAMP, Joseph H. (1917), Pres., Iceless Mch. Co., Treas., The Bishop-Babcock-Becker Co., 49th and Hamilton Ave., and *for mail*, 14298 Superior Rd., Cleveland, O.
- CHAMPION, Albert (Associate, 1915), Pres., Genl. Mgr., Champion Ignition Co., and 423 E. Kearsley St., Flint, Mich.
- CHAMPION, Charles H. (1918), Champion & Ryan, 299 Broadway, and 644 W. 204th St., New York, N. Y.
- CHAMPION, David J. (1917), Pres., Champion Rivet Co., Harvard Ave. and 108th St., and 2490 Coventry Rd., Cleveland, Ohio.
- CHAMPION, Harry W. (1904), Pres., Newton Mch. Tool Wks., Inc., 23rd and Vine Sts., and *for mail*, 4520 Spruce St., Philadelphia, Pa.
- CHAMPNEY, Ralph P. (Associate-Member, 1917), Ch. Engr., Engrg. & Exper. Labs., The Graton & Knight Mfg. Co., 356 Franklin St., and *for mail*, 32 Shaffner St., Worcester, Mass.
- *CHANCE, Thomas M. (Junior, 1912), Maj., U. S. Chem. Warfare Serv., Edgewood Arsenal, 311 W. Moment St., and 3704 Liberty Heights Ave., Baltimore, Md.; Partner, H. M. Chance & Co., Cons. Min. Engrs., 839 Drexel Bldg., Philadelphia, Pa.
- CHANDLER, Clarence A. (1900), 31 State St., Boston, and East Bridgewater, Mass.
- CHANDLER, Heman W. (Junior, 1917), Draftsman Maintenance Dept., Am. Loco. Co., Brooks Wks., and *for mail*, 11 Roberts Rd., Dunkirk, N. Y.
- CHANDLER, Howard M. (1913), M.E., Honolulu Iron Wks. Co., Woolworth Bldg., 233 Broadway, and *for mail*, 256 W. 22nd St., New York, N. Y.
- CHANDLER, Howard T. (1912), Supt., Walter Baker & Co., Ltd., Dorchester, and *for mail*, 20 Blue Hill Ave., Mattapan, Mass.
- CHANDLER, Leonard D. (1918), Rideout, Chandler & Joyce, 178 High St., Boston, Mass.
- CHANDLER, Richard E. (1911), Prof. M. E. Univ. of Fla., Gainesville, Fla.
- CHANDLER, Sherman M. (Junior, 1918), Asst. Engr., Standard Aero Corp. of N. Y., Engrg. Dept., and *for mail*, 151 Westervelt Ave., Plainfield, N. J.
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- CHAPIN, William C. (Junior, 1918), Asst. Insp. of Weights & Measures, Bureau of Standards, Washington, D. C.
- *CHAPLIN, Merle P. (Associate-Member, 1918), 1st Lieut., Engr. R. C., Engr. Branch, Motor Transport Service, Unit F., 7th Wing, 7th & B Sts., Washington, D. C., and *for mail*, 469 Fifth Ave., New York, N. Y.
- CHAPMAN, Albert P. (Associate-Member, 1917), Supt. Power and Repairs, Ludlow Mfg. Associates, and *for mail*, 1 Hubbard St., Ludlow, Mass.
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- *CHAPMAN, Edmund E. (Associate-Member, 1917), Maj., U. S. A., Ord.

- Dept., Unattached, Army Inspec. of Ord., Remington Arms U. M. C. Co., Boston Ave., and 554 Huntington Rd., Bridgeport, Conn.
- CHAPMAN, Frank T. (1909), East. Mgr. Vento Dept., Am. Radiator Co., Rm. 603-4 104 W. 42d St., New York, N. Y., and 33 Melrose Pl., Montclair, N. J.
- CHAPMAN, George (1912), Supt. of Maintenance & Equip., H. W. McCandles Co., 406 W. 31st St., New York, N. Y., and *for mail*, 45 Rutland Ave., Arlington, N. J.
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- CHAPMAN, William B. (1915), Pres., Chapman Engrg. Co., 11 Broadway, and City Club, New York, N. Y.
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- CHARLES, La Vern J. (1915), Asst. State Highway Engr., Santa Fe, New Mex., and 566 High St., Denver, Colo.
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- CHARTER, James A. (1899), Cons. and Designing Engr., 1438 E. 65th St., Chicago, Ill.
- CHASE, Albert M. (Associate-Member, 1918), Draftsman, for C. W. Praray, Mill Engr., 301-310 Times Bldg., New Bedford, and *for mail*, 583 Centre St., Fall River, Mass.
- CHASE, Arthur H. (1918), Supvg. Draftsman, U. S. Naval Gun Factory, Ord. Drafting Rm., Navy Yard, Washington, D. C.
- CHASE, Charles H. (1902), Prof. Steam Engrg., Engrg. Sch. Tufts College, Tufts College Sta., and 39 Lincoln St., Stoneham, Mass.
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- CHASE, Nathaniel S. (Associate-Member, 1917), Mill Engr., T. Henry, C. E. & M. E., 26 Borden Block, and 583 Centre St., Fall River, Mass.
- CHASE, Vernon B. (Junior, 1918), Sales Engr., The Acklin Stamping Co., 1645 Dorr St., and *for mail*, No. 4 The Miltmore, Toledo, Ohio.
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- CHATILLON, Ralph F. (1916), V. P., John Chatillon & Sons, 89 Cliff St., New York, N. Y.
- CHEETHAM, Joseph H. (1913; Associate-Member, 1917), Supt., Kunkle Valve Co., and 2912 Shawnee Drive, Fort Wayne, Ind.
- CHEEVER, Markham (1910), Genl. Supt. & Ch. Engr., Utah Power & Light Co., Kearns Bldg., and 20 Bransford Apts., Salt Lake City, Utah.
- CHENEY, Frank, Jr. (1915), Pres., Cheney Bros., South Manchester, Conn.
- CHENEY, H. W. (1897; 1905), Engr., Elec. Dept., Allis-Chalmers Mfg. Co., and *for mail*, 284 31st St., Milwaukee, Wis.

- CHENEY, Nathan (1906), Engr., Stone & Webster Engrg. Corp., 147 Milk St., Boston, and 242 Payson Rd., Belmont, Mass.
- CHENEY, Walter L. (1883), Sales Mgr., Lucas Mch. Tool Co., Cleveland, O.
- *CHERRINGTON, George H. (Associate, 1918), Maj. Ord. Dept., U. S. A., Wyoming Apts., Columbia Rd., Washington, D. C.; Pres., Brown & Zortman Mch'y Co., 385 Union Arcade, and 6336 Aurelia St., Pittsburgh, Pa.
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- CHESNUTT, Ralph C. (Junior, 1915), Ch. Designer, North Am. Motors Co., Queen St., Pottstown, Pa.
- CHESSE, Harvey B., Jr. (1909; Associate-Member, 1914) Pres., Treas., Constld. Expanded Metal Cos., Braddock, and 2030 Beechwood Blvd., Pittsburgh, Pa.
- CHESTER, John N. (1905), Chester & Fleming, Union Bank Bldg., Pittsburgh, Pa.
- CHESTER, Thomas (1915), Spec. Rep. handling Navy Business, Am. Blower Co., 141 Broadway, New York, and 640 2nd St., Brooklyn, N. Y.
- CHEVALIER, La Rue B. (1914), Supt., United Iron Wks. Co., and 801 East St., Iola, Kan.
- *CHEW, John J., 2d (Junior, 1916) Ensign, U. S. N. R. F., 1912 H. St., Washington, D. C.
- CHEYNEY, Algernon R. (1912), Elec. Expt., Aide Bureau of Steam Engrg., U. S. N., Washington, D. C.
- CHICK, George E. (Junior, 1918), Partner, John F. Chick & Son, Lumber Mfrs., Silver Lake, N. H.
- CHIFFELLE, Francis A. (1917), Engr., Lewiston Bleachery & Dye Wks., Lewiston, and *for mail*, 10 Winter St., Auburn, Me.
- CHILD, Ernest T. (1903), Pres., Child & Scott Co., 112 Wooster St., New York, N. Y., and *for mail*, 70 Mt. Pleasant Ave., West Orange, N. J.
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- *CHILDS, Harold P. (Junior, 1903), 1st Lieut., Truck Co. No. 2, 1st Battn., 23rd Regt. Engrs., A. E. F., France, and 149 Center St., Orange, N. J.
- *CHILDS, John N. (Associate-Member, 1914), Lieut., U. S. N. R. F., Sr. Engr. Officer, U. S. S. *Camde*, Bldg. No. 7, Navy Yard, Philadelphia, Pa.
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- *CHOATE, Donald H. (Junior, 1918), 2nd Lieut., 332nd F. A. R. C., and *for mail*, 90 Brooklawn Ave., Bridgeport, Conn.
- CHOATE, WILLIAM E. (1912), Genl. Mgr., The Advance Mch. Co., 37 Osborn St., Cambridge, Mass.
- CHORLTON, Alan E. L. (1913), William Boardmore & Co., Ltd., 36 Victoria St., London, S. W. I., England.
- *CHRISTEN, Armand B. (Junior, 1913), Capt., Signal Corps., Amer. Exped. Forces, France, and 601 W. 114th St., New York, N. Y.
- CHRISTENSEN, Chas. C. (1890), Estimating Engr., Min. Dept., Allis-Chalmers Mfg. Co., Milwaukee, Wis., and *for mail*, 2944 Logan Blvd., Chicago, Ill.
- CHRISTENSEN, James C. (Associate-Member, 1917), Supt., Am. Steel Mch'y., 117th & Stephenson Ave., and *for mail*, 11204 Edbrooke Ave., Roseland, Chicago, Ill.

- CHRISTIANSON, Andrew (1907), Ch. Engr., Stand. Steel Car Co., and 198 W. Pearl St., Butler, Pa.
- *CHRISTIE, Alexander G. (1907; 1916), R. O. T. C., Assoc. Prof. M. E., Johns Hopkins Univ., Baltimore, Md.
- CHRISTIE, E. W. (1890), Ch. Engr., Wheeler Condenser & Engrg. Co., Carteret, and *for mail*, P. O. Box 74, Sewaren, N. J.
- *CHRISTIE, W. Thurston (Junior, 1917), Corp., Co. "B," 606th Engrs., Camp A. A. Humphreys, Va., Asst. Engr., W. Wallace Christie, 140 Market St., and *for mail*, 66 W. Ridgewood Ave., Ridgewood, N. J.
- CHRISTIE, William W. (1889), Cons. Engr., Arch., 66 W. Ridgewood Ave., Ridgewood, N. J.
- CHRISTOPHERSEN, C. Birger (1918), Engrg. Draftsman, Ill. Steel Co., S. Chicago, and *for mail*, 6058 Harper Ave., Chicago, Ill.
- CHRYST, William A. (1917), Ch. Engr., Dayton Engrg. Labs. Co., and *for mail*, R. D. No. 2, Dayton, O.
- CHUCAN, John (Associate-Member, 1917), M.E., Goodwin Car & Mfg. Co., Inc., 28 E. Jackson Blvd., and *for mail*, P. O. Box 112, Chicago, Ill.
- CHURCH, Arthur L. (1917), Asst. to Pres., The Baldwin Loco. Wks., 500 N. Broad St., and 2317 DeLancy St., Philadelphia, Pa.
- CHURCH, Austin (Junior, 1895), Pres., Church Land Co., Sibley, Mich.
- CHURCH, Edwin F., Jr. (1912), Prof. of Mech. Engrg., The Poly. Inst. of Brooklyn, 99 Livingston St., Brooklyn, N. Y.
- *CHURCH, Elihu C. (1908, 1913), Capt., E. O. R. C., Adj. 117th Engrs. Regt., 42nd Div., Genl. Hdqrs. Serv. of Supply, A. E. F., France; Cons. Engr., 4 E. 130th St., New York, N. Y.
- *CHURCH, F. O. (Junior, 1917), 1st Lieut., Co. B., 26th Engrs., A. E. F., France, and High Falls, N. Y.
- CHURCH, H. D. (1913), Ch. Engr., Truck Div., Packard Motor Car Co., Grand Blvd., at Belt Line, and 165 Burlingame Ave., Detroit, Mich.
- CHURCH, Maynard D. (1912), Ch. Engr., Terry Steam Turbine Co., and *for mail*, 475 Edgewood St., Hartford, Conn.
- CHURCH, William L. (1880), Pres., The Uni-Form Co., 10 High St., Boston, and *for mail*, 145 Warren St., Newton Center, Mass.
- CHURCHILL, Charles O. (1906), Salesman, Lackawanna Steel Co., 40 Central St., Boston, and *for mail*, 126 Ft. Pleasant Ave., Springfield, Mass.
- *CHURCHILL, F. Loring (Junior, 1917), Q. M., U. S., Shipping Bd., S. S. "Garfield," Port of N. Y., and *for mail*, 229 N. Warren Ave., Brockton, Mass.
- CHURCHMAN, William H. (Associate-Member, 1918), Supt., of Pumping Stas., East Bay Water Co., and *for mail*, 3012 Tallant St., Oakland, Alameda Co., Cal.
- CHUTE, James P. (1912), Supt. Engr., Kerr S. S. Co., Inc., 17 Battery Pl., New York, and *for mail*, 635 11th St., Brooklyn, N. Y.
- CHUTE, Stanley J. (Junior, 1915), Engr., Griscom-Russell Co., 90 West St., New York, and *for mail*, 1140 President St., Brooklyn, N. Y.
- CILLEY, Raymond (1915), M. E., Lowenstein Radio Co., 397 Bridge St., and *for mail*, 625 E. 14th St., Brooklyn, N. Y.
- *CLANCY, William C. (Junior, 1917), Ensign, U. S. N. R. F., U. S. N. Avia. Div., Bureau of Constr. & Repair, Navy Dept., Washington, D. C., and 4530 Woodlawn Ave., Chicago, Ill.
- CLAPP, Geo. H. (1891), Pres., Pittsburg Testing Lab., 612-620 Grant St., Pittsburgh, and Woodland Rd., Edgeworth, Sewickley, Pa.
- CLAPP, Richard B. (1911; Associate-Member, 1917); Dist. Mgr., Andrews-Bradshaw Co., 846 Leader News Bldg., Cleveland, and 1285 Cook Ave., Lakewood, O.
- CLAPP, W. Howard (1914), Assoc. Prof. Mch. Design, Throop College of Tech., and 95 S. Mentor Ave., Pasadena, Cal.

- CLARK, Addison L. (1915), Supt., Fdys., Am. Brake Shoe & Fdy. Co., Mahwah, and *for mail*, Allendale, N. J.
- CLARK, Albert B. (1916), Engr., care of Sargeant & Lundy, Edison Bldg., and 6728 Clyde Ave., Chicago, Ill.
- CLARK, Albert J. (Junior, 1917), Raritan Inn, Keyport, N. J.
- CLARK, David B. (1914), Genl. Supt., Watervliet Arsenal, Watervliet, N. Y.
- CLARK, Earle A. (1916), Supt. Gas Measurement, Okla. Natural Gas Co., and *for mail*, Box 973, also 1720 S. Madison St., Tulsa, Okla.
- CLARK, Edward L. C. (1914), The Industrial Co., 84 State St., Boston, and *for mail*, 51 Court St., Dedham, Mass.
- CLARK, Edward Lord (Associate, 1905), Mgr., Steam Sales Power Dept., Westinghouse Elec. & Mfg. Co., 10 High St., Boston, and 40 Griggs Rd., Brookline, Mass.
- CLARK, Edward S. (Associate-Member, 1918), Plant Mgr. & Engr., De Pere Mfg. Co., West De Pere, Wis.
- CLARK, Ezra E. (1916), Fire Ins. Engr., Factory Mutual Fire Ins. Co., Rm. 510, 31 Milk St., Boston, and *for mail*, 150 Otis St., Newtonville, Mass.
- CLARK, Farley G. (1907), Ch. Engr., Toronto Power Co., Toronto Elec. Light Co., Toronto St. Ry. Co., and *for mail*, 12 Adelaide St., E. Toronto, Ont., Canada.
- CLARK, Frank C. (1913), Supt., Kenilworth Plant, Am. Can Co., Kenilworth and 720 Clark St., Westfield, N. J.
- CLARK, Frank D. (1914), Instr., Factory Sch., Goodyear Tire & Rubber Co., East Market St., Akron, and *for mail*, P. O. Box 70, East Akron, O.
- CLARK, Frank H. (1910), Genl. Supt. M. P., B. & O. R. R., B. & O. Bldg., Baltimore, and 17 Midvale Road, Roland Park, Baltimore, Md.
- CLARK, Frank S. (1909; 1912), M. E., Stone & Webster Engrg. Corp., 147 Milk St., Boston, and 483 Washington St., Brookline, Mass.
- CLARK, George A. (1916), M. E., Arnold Print Wks., and *for mail*, 20 E. Quincy St., North Adams, Mass.
- CLARK, Harold H. (Associate-Member, 1915), Local Mgr., Link-Belt Co., 161-163 N. Los Angeles St., Los Angeles, and 1130 Milan Ave., South Pasadena, Cal.
- CLARK, Herbert H. (1908), Mgr., Los Angeles Office, Chas. C. Moore & Co., Engrs., 424 Van Nuys Bldg., and 4325 Victoria Park, Los Angeles, Cal.
- CLARK, Howard B. (1910), Engr., Operation and Maintenance, Natl. Carbon Co., and *for mail*, 1520 Cohasset Ave., Cleveland, O.
- CLARK, James G. (Associate, 1917), Night Supt. of Insp., Remington Arms Co., Boston Ave., and 156 Gem Ave., Bridgeport, Conn.
- *CLARK, John W. (Junior, 1916), 2nd Lieut., 56th Engrs., A. E. F., France, and 13 Front St., Schenectady, N. Y.
- CLARK, Lawrence A. (1914), Secy., Treas., Pontiac Leader Pub. Co., and *for mail*, 122 W. Reynolds St., Pontiac, Ill.
- CLARK, Myron H. (1913), Genl. Footwear Factory Mgr., U. S. Rubber Co., 1790 Broadway, New York, and 126 Myad Ave., Pelham, N. Y.
- CLARK, Peter J. (Associate-Member, 1915), Draftsman, Fire Dept., Municipal Bldg., New York, and *for mail*, 155 Willoughby Ave., Brooklyn, N. Y.
- CLARK, Russell G. (Junior, 1917), Engrg. Draftsman, The Am. Thread Co., 260 W. Broadway, New York, and *for mail*, 153 Ainslie St., Brooklyn, N. Y.
- CLARK, W. F. (Junior, 1914), Htg. & Vent. Engr., B. F. Goodrich Co., and *for mail*, 511 Crosby St., Akron O.

- CLARK, W. Van Alan (Junior, 1910), U. S. Shipping Bd., Emergency Fleet Corp., 140 N. Broad St., Philadelphia, and *for mail*, 204 Montgomery Ave., Narbeth, Pa.
- CLARK, Walter L. (1888), 165 Broadway, New York, N. Y., and Stockbridge, Mass.
- CLARK, Walter R. (1908; 1914), M. E., Bridgeport Brass Co., and *for mail*, 1875 Park Ave., Bridgeport, Conn.
- CLARK, Walton (1890), Second V. P., United Gas Improvement Co., Broad and Arch Sts., and Stenton and Abington Aves., Chestnut Hill, Philadelphia, Pa.
- *CLARK, Wm. C. M. (1913), Lieut. U. S. N. R. F., with Atlantic Fleet, Care Postmaster, New York, N. Y.
- CLARK, William T. (1914), Genl. Supt., Moline Plow Co., Moline, Ill., and 1521 Perry St., Davenport, Ia.
- CLARKE, Alfred (1886), Life Member; Walpole, N. H.
- CLARKE, Arthur F. (Associate, 1913), Priest, Page & Co., 145 Franklin St., Boston, Mass.
- CLARKE, C. Edwin (Junior, 1912), M. M., Saucon Plant, Bethlehem Steel Co., and *for mail*, 409 E. Broad St., Bethlehem, Pa.
- CLARKE, Charles L. (1882), Cons. Engr., Genl. Elec. Co., and 109 Glenwood Blvd., Schenectady, N. Y.
- CLARKE, Charles W. E. (1907; 1913). M. E., Dwight P. Robinson Co., Inc., 61 Broadway, and Engrs. Club, 42 W. 40th St., New York, N. Y.
- CLARKE, Edgar W. (1914), Ch. Engr., Cambria Steel Co., and *for mail*, 130 Tioga St., Johnstown, Pa.
- CLARKE, James C. (Associate-Member, 1918), Coordinator Head of Co-operative Industrial Course, Hyde Park H. S., and *for mail*, 44 Central Ave., Hyde Park, Mass.
- *CLARKE, Leon L. (1912), Capt., Engrs., U. S. R., Army P. O. No. 713, A. E. F., France; M. & E. E., Waddell & Son, 934 Wyandotte St., Kansas City, Mo.
- CLARKE, Philip L. (Junior, 1907), Punta Alegra Sugar Co., Punta, San Juan, Camaguey, Cuba, and 3017 Kansas Ave., Los Angeles, Cal.
- CLARKE, Samuel J. (1884), 309 W. 103d St., New York, N. Y.
- CLARKE, Walter J. (1914), Phila. Mgr., L. Sonneborn Sons, Inc., 421 Lafayette Bldg., and 1250 S. 45th St., Philadelphia, Pa.
- CLARKSON, Ralph P. (Associate-Member, 1915), 152 Clinton Ave., New Rochelle, N. Y.
- *CLARKSON, Robert C., Jr. (Junior, 1917), 2nd Lieut., Dept. Military Aeronautics, Avia. Repair Depot, Montgomery, Ala., and *for mail*, 2224 N. 51st St., Philadelphia, Pa.
- CLASGENS, Joseph H. (Associate-Member, 1918), Asst. Supt., The J. & H. Clasgens Co., New Richmond, O.
- CLASSEN, Edward H. (Junior, 1912), Partner, Classen & Latham, Media, Pa.
- *CLAUSSEN, Howard P. (Junior, 1917), Ensign, U. S. N. R. F., Class 5 (Nav. Res. Flying Corps.), Washington, D. C.
- CLAYTON, J. Paul (Junior, 1911), Commer. Mgr., Middle West Utilities Co., Rm. 1500, 72 W. Adams St., and *for mail*, 5425 Dorchester Ave., Chicago, Ill.
- CLEATON, R. Ewart (Associate-Member, 1917), Mgr., The R. E. Cleaton Co., 20 St. Nicholas St., Montreal, P. Q., Canada.
- CLEGG, Robert I. (1902), Editor, V. P., Gardner Ptg. Co., Caxton Bldg., and *for mail* 10,600 Hampden Ave., Cleveland, Ohio.
- CLEGHORN, Mark P. (1914), Assoc. Prof. M. E., Ia. State College, and *for mail*, 513 Ash Ave., Ames, Ia.
- CLEMENS, A. B. (1904), Prin. Sch. M. E., Internatl. Corr. Schs., Instruction Bldg., and 1034 Woodlawn St., Scranton, Pa.

- CLEMMER, David P. (Junior, 1916), Insp. Auxiliariest & Mchy., U. S. Shipping Bd., Emergency Fleet Corp., Supply Div., 72 W. Adams St., Chicago, Ill., and 2343 W. Grace St., Richmond, Va., and *for mail*, care of St. Paul Athletic Club, St. Paul, Minn.
- *CLEMONS, Robert S. (1916), Maj., Engrs., U. S. R., 506th Engrs., A. P. O. No. 722, A. E. F., France, and 6634 Paschall Ave., Philadelphia, Pa
- CLEMONS, Samuel W. (1918), Maintenance Engr., R. N. Bassett Co., and *for mail*, 49 Oak Ave., Shelton, Conn.
- *CLENDON, George W. (Associate-Member, 1917), 2nd Lieut., 1st Regt., F. A. R. D., Camp Taylor, Ky., and *for mail*, 104 4th Ave., Highland Park, Richmond, Va.
- CLERGUE, Bertrand J. (Associate, 1907), V. P., Universal Transmission Ltd., 137 McGill St., and 731 Sherbrooke St., W., Montreal, Que., Canada.
- CLEVELAND, Clarence E. (1916), Treas., Intervale Mills, Quinebaug, Conn., and Webster, Mass.
- CLEVELAND, F. W. (Associate-Member, 1918), Asst. Supt. of Equipment, Pratt & Whitney Co., and *for mail*, 116 Edgewood St., Hartford, Conn.
- CLEVELAND, Fred P. (Associate-Member, 1914), Secy., Treas., B. F. Perkins & Son Inc., 2 Crescent St., and *for mail*, 62 Taylor St., Holyoke, Mass.
- CLIFFORD, Ernest L. (1914), Asst. Ch. Engr., Cannon-Swenson Co., 941 Monadnock Blk., and 6924 Greenview Ave., Chicago, Ill.
- CLIFFORD, Walter (Associate-Member, 1918), Genl. Supt., Atlantic Paper & Pulp Co., Port Wentworth, Savannah, Ga.
- CLINE, Benjamin J. (1918), Holt Mfg. Co., Peoria, Ill.
- CLINE, McGarvey (1916), Engr., Commodores Point Term Co., Rm. 712 Consld. Bldg., and 1427 Post St., Jacksonville, Fla.
- CLOCK, Ernest E. (Associate, 1917), Ch. Insp. Eng. and Flywheel Dept., Fidelity & Casualty Co., 92 Liberty St., New York, N. Y., and *for mail*, 100 Park Pl., Passaic, N. J.
- CLOUD, John W. (1880), V. P., Managing Dir., Westinghouse Brake Co., Ltd., 82 York Rd., King's Cross, London, N., England.
- CLOUDSLEY, David B. (Associate, 1908), Draftsman, Zarembo Co., 506 Niagara Life Bldg., Buffalo, and *for mail*, Box 342 Williamsville, N. Y.
- CLOUDSLEY, James B. (1892), Life Member; 114 S. Cayuga St., and *for mail*, P. O. Box 342, Williamsville, N. Y.
- CLOUSER, George L. (Junior, 1913), Spec. Engr., The Barrett Co., 36th St. & Grays Ferry Rd., and *for mail*, 1836 N. Camac St., Philadelphia, Pa.
- *CLUCAS, George W. (Associate-Member, 1915), Co. G., 1st Reg't., 122 Res. Militia; Engr. and Salesman, Am. Steam Pump Co., 1220 Monadnock Block, and 1512 Farwell Ave., Chicago, Ill.
- CLUETT, Albert E. (1900; 1903), M. E., Cluett, Peabody & Co., Inc., and *for mail*, P. O. Box 666, Troy, N. Y.
- CLUETT, Sanford L. (1903; 1911), V. P., Walter A. Wood, Mowing & Reaping Mch. Co., and 26 Abbott St., Hoosick Falls, N. Y.
- CLUNE, Joseph P. (1918), Wks. Mgr., Solvay Process Co., W. Jefferson Ave., and *for mail*, 1050 W. Lafayette Blvd., Detroit, Mich.
- CLYNE, Cecil Bruce (1918), Sales Engr., Mine & Smelter Supply Co., 412 San Francisco St., and *for mail*, 1219 N. Oregon St., El Paso, Tex.
- CLYNE, Robert G. (1913), Pres., Central Mch. Wks., 12th & Tyler Sts., St. Louis, Mo., and 2521 Edwards St., Alton, Ill.
- COATES, Arthur B. (Associate-Member, 1918), Asst. M. E., U. S. Bureau of Mines, and *for mail*, 5215 Baum Blvd., Pittsburg, Pa.
- COATES, E. Osborne (Junior, 1913). Address unknown.

- COBB, Charles C., Jr. (Junior, 1912), Genl. Foreman, Steam & Gas Power, Natnl. Tube Co., Lorain, and *for mail*, 241 Spruce St., Elyria, O.
- COBB, Geo. H. (1891), V. P., Genl. Mgr., N. Y. Transit Co., 802 Kilmer Bldg., and 193 Front St., Binghamton, N. Y.
- COBB, H. Elmore (Junior, 1916), Progress Engr., U. S. Shipping Bd., Emergency Fleet Corpn., and *for mail*, 111 Oakland Ave., Audubon, N. J.
- COBB, Howard P. (Associate-Member), Industrial Engr., D. B. Lewis & Co., Rm. 812, 45 Milk St., Boston, and 58 Dartmouth St., Belmont, Mass.
- COBB, Willard H. (Junior, 1912), Engr., N. Y. Belting & Packing Co., 91 Chambers St., New York, and 189 8th Ave., Brooklyn, N. Y.
- COBLEIGH, Henry R. (Junior, 1904), Tech. Editor, Automobile Trade Journal and Commercial Car Journal, Chilton Co., Market and 49th Sts., and *for mail*, 1542 W. 62nd St., Philadelphia, Pa.
- COBURN, Frederic G. (1912; 1913), Naval Constr., U. S. N., Naval Aircraft Factory, Navy Yard, Philadelphia, Pa.
- COCHRANE, Lewis (1918), Ch. Engr., N. Y. Times, 229 W. 43rd St., New York, and *for mail*, 829 E. 38th St., Brooklyn, N. Y.
- COCHRANE, Robert B. (1903), Ch. Engr., Exper. Dept., Miller Rubber Co., and 69 Marvin Ave., Akron, O.
- COCKBURN, Francis B. (1910), Ch. Engr., Lodge & Shipley Mch. Tool Co., 3055 Colerain Ave., and 4698 Hamilton Ave., Cincinnati, Ohio.
- COCKS, Frank L. (Associate-Member, 1913), Efficiency Engr., Rockwood & Co., Brooklyn, and Box 336, Glen Cove, L. I., N. Y.
- COE, Harry L. (1915; 1918), V. P. & Genl. Mgr., Am. Condenser & Engrg. Corpn., and *for mail*, 7 Cumberland Ave., Plattsburg, N. Y.
- COES, Harold V. (1907, 1913), Industrial Engr., Ford, Bacon & Davis, 115 Broadway, New York, and *for mail*, 42 Forest Ave., Montclair, N. J.
- COEY, Stewart C. (1918), Wks. Supt., The Celluloid Co., Newark, N. J.
- COFFEY, Barton H. (1918), Ch. Engr., Cooling Tower Co., Inc., 15 John St., New York, N. Y.
- COFFIN, Frank M. (1907), Genl. Mgr., Wheeler McDowell Elev. Co., 417-421 Canal St., New York, and *for mail*, 155 Nyac Ave., Pelham, N. Y.
- COFFIN, Grange S. (Associate-Member, 1918), M. E., Remington Arms U. M. C. Co., Bridgeport Wks., and *for mail*, 1025 Noble Ave., Bridgeport, Conn.
- COFFIN, Howard E. (1907), V. P., Cons. Engr., Hudson Motor Car Co., Detroit, and Grosse Pointe Shores, Mich.
- COFFIN, Mitchell (Junior, 1913), Mem. of Firm, S. M. Ryder & Son, and 1136 Main St., Niagara Falls, N. Y.
- COFFIN, Wm. C. (1894), V. P., Sales Mgr., Blaw-Knox Co., and *for mail*, 5930 Howe St., Pittsburgh, Pa.
- COFFMAN, Joseph P. (1914), Genl. Supt., Natl. Transit Pump & Mch. Co., Bridge St., and *for mail*, 207 Lincoln St., Oil City, Pa.
- COGHLIN, John P. (1901), Pres., Treas., Coghlin Elec. Co., 257 Main St., and *for mail*, Box 35, Worcester, Mass.
- COGSWELL, Lester W. (Associate-Member, 1917), Eng. Designer, Kinney Mfg. Co., 3541 Washington St., Jamaica Plain, Boston, and *for mail*, 153 Lowell St., Somerville, Mass.
- COGSWELL, Wm. B. (1880), Manager, 1880-1882; V. P., The Solvay Process Co., and 1234 James St., Syracuse, N. Y.
- *COHEN, Abraham S. (Associate-Member, 1915), Capt., Ord. Dept., U. S. A., Watertown Arsenal, and *for mail*, 24 Canterbury St., Dorchester, Mass.

- COHEN, Edgar F. (Junior, 1916), Sales Engr. Centrifugal Pump Dept., Worthington Pump & Mch. Corp., Harrison, N. J., and *for mail*, 1871 Seventh Ave., New York, N. Y.
- COHEN, Frederick W. (1918), Asst. Genl. Mgr., Metal & Thermit Corp., 120 Broadway, New York, N. Y., and *for mail*, 171 Wildwood Ave., Upper Montclair, N. J.
- COHN, Herbert A. (Associate-Member, 1918), Ch. Draftsman, Wks. Power Engrg. Div., Westinghouse El. & Mfg. Co., East Pittsburgh, Pa.
- COKER, James L., Jr. (1915), V. P., Carolina Fiber Co., Hartsville, S. C.
- COLAHAN, Charles (1916), Holt Mfg. Co., and *for mail*, 515 S. Grant St., Stockton, Cal.
- COLBY, Albert L. (1893), Cons. Engr., 447 Lehigh St., and 827 Bishopthorpe St., South Bethlehem, Pa.
- COLBY, Llewellyn A. (Associate-Member, 1918), Ass't Ch. Inspc., Genl. Elec. Co., and *for mail*, 66 Ontario St., Pittsfield, Mass.
- COLDWELL, Arthur J. (Associate-Member, 1917), Prod. Engr., Ord. Dept., U. S. A., 1107 Broadway, New York, and 6 Central Ave., Newburgh, N. Y.
- *COLDWELL, Clarence B. (Junior, 1918), 2nd Lieut., Ord. Dept., U. S. A., Donner Steel Co., Abbott Rd., and *for mail*, 848 Delaware Ave., Buffalo, N. Y.
- COLDWELL, John S. (Junior, 1915), M. E., Cutler Hammer Mfg. Co., 12th & St. Paul Ave., and *for mail*, 536 Lake Drive, Milwaukee, Wis.
- COLE, Arthur W. (1904; 1911), Assoc. Prof. M. E., Purdue Univ., Lafayette, and *for mail*, 224 Waldron St., West Lafayette, Ind.
- COLE, Austin (1918), Pres. & Genl. Mgr., Western Value Bag Co., 360 East Grand Ave., Chicago, Ill.
- *COLE, C. L. (1908, 1913), Capt., Ord. Dept., U. S. A., and *for mail*, 709 51st St., Milwaukee, Wis.
- *COLE, Charles S. (1912), Maj., Ord. Dept., U. S. A., 820 Penobscot Bldg., Detroit, Mich., and *for mail*, U. S. Cartridge Co., Lowell, Mass.
- COLE, Dwight S. (1903), 241 Lafayette Ave., S. E., Grand Rapids, Mich.
- COLE, Edward S. (1897; 1906), Pres., The Pitometer Co., 25 Elm St., New York, N. Y., and 133 Bellevue Ave., Upper Montclair, N. J.
- COLE, Forrest W. (1917), M. E., The Solvay Process Co., and *for mail*, 311 Gordon Ave., Syracuse, N. Y.
- COLE, Francis J. (1888), Ch. Cons. Engr., Am. Loco. Co., and *for mail*, 3 Avon Rd., Schenectady, N. Y.
- COLE, Frank B. (1912), Cons. Engr., P. O. Box 563, and 79 E. Brood St., Newnan, Ga.
- COLE, Frank H. (Junior, 1915), Ch. Chem., Walworth Mfg. Co., 1st and O Sts., South Boston, and *for mail*, 5 Summer Rd., Dorchester, Mass.
- COLE, Fred B. (1911), Asst. Engr., Chas. T. Main, 201 Devonshire St., Boston, and 196 Parkway, Winchester, Mass.
- COLE, Harold R. (Junior, 1915), Canadian Genl. Mgr., A. Schraders Son, Inc., 334 King St. East, and 407 Rushton Rd., Toronto, Canada.
- COLE, J. Wendell (1883), Life Member; Dist. Mgr., William Sellers & Co's. Tool and Drill Grinders, and Detroit Emery Wheel Co., P. O. Box 84, Columbus, O.
- COLE, Raymond A. (Junior, 1917), Engr., Mch. Gun Dept., Colt's Patent Fire Arms Co., and *for mail*, 101 Atwood St., Hartford, Conn.
- COLE, Roy E. (Associate-Member, 1918), Prod. Mgr., Liberty Motor Car Co., 115 Lacastee Ave., and *for mail*, 450 Hamilton Ave., Detroit, Mich.
- COLE, Wm. E. (Associate, 1916), Genl. Supt. & Engr., National Scale Co., Chicopee Falls, and *for mail*, 93 Oakgrove Ave., Springfield, Mass.

- COLE, Winthrop (1891; 1904), M. E., Engrg. Exper. Sta., U. S. Naval Acad., and 217 Hanover St., Annapolis, Md.
- COLEMAN, Charles P. (1917), Pres., Worthington Pump & Mchy. Corp'n, 115 Broadway and 53 E. 66th St., New York, N. Y.
- COLEMAN, Harry S. (1918), Asst. Dir., Mellon Inst. of Industrial Research, Pittsburgh, Pa.
- COLEMAN, J. Emile (Associate-Member, 1917), Efficiency Engr., The Mergenthaler Linotype Co., 44 Ryerson St., Brooklyn, N. Y., and 15 Rector Pl., Red Bank, N. J.
- *COLEMAN, Robert J. (Junior, 1914), 1st Lieut., Ord. Dept., Angers, and *for mail*, c/o Ch. Ord. Officer, A. P. O., 733, A. E. F., France.
- COLEMAN, Wm. F. (Associate-Member, 1917), Asst. Mgr., Pyott Fdy. Co., 328 N. Sangamon St., and *for mail*, 238 N. Latrobe Ave., Chicago, Ill.
- COLEMAN, William W. (1908), Pres., Bucyrus Co., South Milwaukee, and *for mail*, 323 Juneau Ave., Milwaukee, Wis.
- COLLAMORE, Ralph (1914), Secy., Smith, Hinchman & Grylls, 710 Washington Arcade Bldg., and 129 Pingree Ave., Detroit, Mich.
- COLLES, Geo. W. (1895; 1901), Supt. of Lever Bldg. Mchs., 4th Dist. Miss. River Comm., 519 Canal St., and *for mail*, Box 678, New Orleans, La.
- COLLETT, S. D. (1902), Elev. Supplies Co., Inc., 15th St. & Willow Ave., Hoboken, N. J., and *for mail*, 365 Sterling Pl., Brooklyn, N. Y.
- COLLINS, B. R. T. (1891; 1901), Ch. Engr., Spray Engrg. Co., 93 Federal St., Boston, and *for mail*, 29 Oxford Rd., Newton Centre, Mass.
- COLLINS, F. Alton, Jr. (1910; Associate-Member, 1917), Asst. Mgr., Auburn Ball Bearing Co., 29 Elizabeth St., and *for mail*, 236 Rosedale St., Rochester, N. Y.
- COLLINS, Francis W. (1912), Cons. Engr., 50 Church St., New York, N. Y.
- COLLINS, Hubert E. (1915), Cons. Engr., 132 Boyce Ave., Utica, N. Y.
- COLLINS, Lester W. (Junior, 1918), Investigator in Marketing Fruits & Vegetables, Bureau of Markets, Bieber Bldg., Washington, D. C.
- COLLINS, Palmer (1916), Steam Engr., Donner Steel Co., Abbott Rd., Buffalo, and *for mail*, 165 E. Main St., Hamburg, N. Y.
- *COLLINS, Samuel W. (Junior, 1918), Prvt., 322nd Aero Squadron, Kelly Field, San Antonio, Tex.
- COLLINS, William (Associate-Member, 1918), Asst. Engr., Walter Kidde & Co., Inc., 140 Cedar St., New York, N. Y.
- COLLISON, Thomas A. (1915), M. E., Mt. Vernon Car Mfg. Co., and 812 Maple St., Mt. Vernon, Ill.
- COLLISTER, George F. (1915), Factory Mgr., Western Mch. Products Co., E. 73rd & St. Claire Ave., Cleveland, and 17 Wright St., Wallowhby, Ohio.
- COLLYER, William C. (Junior, 1916), Salesman, Ingersoll Rand Co., Juneau, Alaska.
- COLMAN, Howard D. (1912), Mem. of Firm, Barber-Colman Co., Rockford, Ill.
- COLVIN, Benj. J. (1918), Power Engr., Mech. & Elec., Sidney Blumenthal & Co., Inc., Shelton, Conn.
- COLVIN, Charles H. (Junior, 1916), Ch. Engr., Instrument Gyroscope Co., 40 Flatbush Ave. Extension, and *for mail*, 61 Poplar St., Brooklyn, N. Y.
- COLVIN, Delancy W. (Junior, 1917), Mfg. Engrs. Dept., W. R. A. Co., 1290 Chapel St., New Haven, Conn.
- COLVIN, Fred H. (1895; 1899), Assoc. Editor, Am. Machinist, 10th Ave. and 36th St., New York, N. Y., and *for mail*, 56 N. Maple Ave., East Orange, N. J.

- *COLVIN, James A. (Junior, 1915), Lieut., Co. "A," 302nd Battn., Tank Corps, Tobyhanna, Pa., and Sauk Rapids, Minn.
- COLWELL, James V. V. (1903), Life Member; Equip. Engr., 105 W. 40th St., and 1765 Sedgwick Ave., New York, N. Y.
- COMFORT, Newman (Junior, 1916), Branch Mgr., Maryland Div., Natnl. Workmen's Compensation Serv. Bureau, 1002 Maryland Trust Bldg., and 3103-A Pennsylvania Ave., Baltimore, Md.
- COMLY, G. Norwood, (1905; 1907), Soda Ash Dept., Solvay Process Co., Syracuse, N. Y.
- COMPTON, Robert W. (Associate, 1913), So. Agt., Hooven, Owens, Rent-schler Co., 1508 Candler Bldg., and 33 Adams St., Decatur, Ga.
- *COMSTOCK, Charles Worthington (1908), 2nd Lieut., F. A., N. A., Cons. Engr., 1005 First Natl. Bank Bldg., and 76 Grant St., Denver, Colo.
- COMSTOCK, Elting H. (1917), Prof. Mine Plant and Mechanics Sch. of Mines, Univ. of Minnesota, and 1319 Seventh St., S. E., Minneapolis, Minn.
- COMSTOCK, Louis K. (1902), War Industries Bd., Priorities Committee, Washington, D. C.
- *CONANT, Wm. S. (1895-1904), Maj., Ord. Dept., U. S. A., Springfield Armory, Springfield, Mass.; Cons. Engr., 80 Griswold St., and 186 Seminole Ave., Detroit, Mich.
- *CONARD, Frederick U. (Junior, 1916), Capt., Chem. Warfare Serv., Hdqrs. 2nd Army, and *for mail*, 361 Washington Ave., Brooklyn, N. Y.
- CONARD, Wm. R. (Associate, 1906), Insp. Engr., 322 High St., and 1004 High St., Burlington, N. J.
- *CONE, Hutchinson I. (1910), Capt., U. S. N., Aide for Aviation, Vice Admiral Sims' Staff, U. S. Naval Forces, Operating in European Waters, London, England, and The Westminster, 17th & Q St., Washington, D. C.
- CONKLIN, Harry R. (1915), Min. and E. E., Joplin, Mo.
- CONLEE, George D. (1906; 1914), Asst. to Pres., The Bailey Meter Co., 141 Milk St., Boston, Mass.
- CONN, Charles F. (1916), J. G. White Engrg. Corp., 43 Exchange Pl., New York, N. Y.
- CONN, Thomas D. (Junior, 1916), Designer, Bethlehem Shipbldg. Corp., Ltd., Sparrows Point, and *for mail*, 1115 Brentwood Ave., Baltimore, Md.
- CONNELL, Earle W. (Junior, 1916), 41 Miller Ave., Atlanta, Ga.
- CONNELL, F. Van Buren (Junior, 1917), M. E., Hess-Bright Mfg. Co., Front & Erie Ave., Philadelphia, and Manheim Apts., Germantown, Philadelphia, Pa.
- CONNELLY, Laurence E. (Associate, 1915), V. P., The D. Connelly Boiler Co., Cleveland, and 1830 Idlewood Ave., E. Cleveland, O.
- CONNELLY, William C. (Associate, 1915), Pres., The D. Connelly Boiler Co., 1170 Ivanhoe Rd., and 1892 Rosalind Ave., Cleveland, O.
- *CONNER, B. Franklin, Jr. (Junior, 1915), Ch. Machinists Mate, U. S. N., New York Navy Yard, N. Y.
- CONNER, Wm. W. (1917), Power Supt., U. S. Metals Ref. Co., Chrome Plant, Chrome, and *for mail* 246 Vine St., Elizabeth, N. J.
- CONNET, Frederick N. (1908), Ch. Engr., Venturi Dept., Builders Iron Fdy., and 67 Whitmarsh St., Providence, R. I.
- CONNETT, Lyndon R. (1898; Associate, 1918), 30 Church St., and 59 E. 65th St., New York, N. Y.
- CONNOLLY, James H. (1913; 1913), Prod. Mgr., N. C. L. Engrg. Corp., Tucks Head Bldg., Providence, and *for mail*, 121 Spring St., Pawtucket, R. I.

- CONNON, George W. (1907), Ch. Engr., Honolulu Iron Wks. Co., Teniente Key 11, Havana, Cuba, and 174 Watchung Ave., Montclair, N. J.
- CONNOR, Herbert R. (Junior, 1913), M. E., Meese & Gottfried Co., San Francisco, and *for mail*, 1634 San Antonio Ave., Alameda, Cal.
- CONNOR, William B. (Junior, 1918), Pres., Wm. B. Connor, Inc., 90 West St., New York, N. Y.
- CONRAD, Ernest B. (1903), Supt., Elec. Launch Co., and *for mail*, 127 Humphreys Ave., Bayonne, N. J.
- *CONRAD, Hugh V. (1887; 1891), Capt., Ord. Dept., U. S. A., Inspec. Div., Office of Inspec. of Ord., Remington Arms U. M. C. Co., Hoboken, N. J., and *for mail*, 122 E. 40th St., New York, N. Y.
- CONRADER, Rudolph (1893), 708 Parade St., Erie, Pa.
- CONRAN, Fred M. (Associate-Member, 1914), Supt., The Metals Plating Co., and *for mail*, 778 Newark Ave., Elizabeth, N. J.
- CONRATH, George B. (1907), Executive Erie Forge and Steel Co., and *for mail*, 443 E. 6th St., Erie, Pa.
- CONSOLIVER, Earl L. (Associate-Member, 1914), Asst. Prof. of Mech. Engrg., Univ. Ext. Div., The Univ. of Wisconsin, and *for mail*, 223 Clifford Court, Madison, Wis.
- CONSTABLE, John P. (Associate-Member, 1917), Ch. Engr., Edison Lab., and Llewellyn Park, Orange, N. J.
- CONSTANE, Alyn F. (Associate-Member, 1918), Constr. Engr., The B. F. Goodrich Co., Akron, O.
- CONSTANTINE, Joseph H. (1913), Dir., Dept. of Industrial Arts and Vocational Training, Pub. Schs., and *for mail*, Board of Education, Passaic, N. J.
- CONTI, Angelo (1913), Asst. Ch. Engr., Emergency Fleet Corp., 140 N. Broad St., Philadelphia, Pa.
- *CONVERSE, Bernard T. (1909), Maj., Ord. R. C., Watervliet Arsenal, Watervliet, N. Y., and Rosemont, Pa.
- CONVERSE, William A. (Associate, 1914), Secy., Chem. Dir., Dearborn Chem. Co., 2005 McCormick Bldg., and *for mail*, 4320 Greenwood Ave., Chicago, Ill.
- CONVERY, John J. (1916), Cons. Engr., 19 W. 44th St., and 3099 Broadway, New York, N. Y.
- CONWAY, George R. G. (1913), The Mex. Light & Power Co., 19 Manning Arcade, Toronto, Ont., Canada.
- CONWAY, John J. (Junior, 1918), Testing Engr., Alberger Pump & Cond. Co., and *for mail*, Y. M. C. A., Newburgh, N. Y.
- COOK, Charles B. (Associate, 1913), V. P., Royal Typewriter Co., 150 New Park Ave., and *for mail*, 240 Collins St., Hartford, Conn.
- *COOK, Fred L. (Junior, 1918), 2nd Lieut., Ord. R. C., Scovill Mfg. Co., and *for mail*, 310 Lincoln St., Waterbury, Conn.
- COOK, Glenn W. (Associate-Member, 1917), Sr. Inspr., The Travelers' Ins. Co., 318 Main St., and 51 Whittier Ave., Springfield, Mass.
- COOK, Harry H. (1910; 1918), Engr., The Chapman Valve Mfg. Co., and *for mail*, 135 Essex St., Indian Orchard, Mass.
- COOK, Henry P. (Junior, 1914), Draftsman, Newport News Shipbldg. & Drydock Co., and *for mail*, 3305 West Ave., Newport News, Va.
- COOK, Howard B. (Junior, 1917), Sales Engr., The Warner Elev. Mfg. Co., 802 Fidelity Trust Bldg. and *for mail*, 2316 Adams Ave., Norwood, Ohio.
- COOK, John P. (Junior, 1906), Sr. M. E., Interstate Commerce Comm., 719 13th St., N. W., Washington, D. C., and 31 Garfield Pl., Albany, N. Y.
- COOK, Junius F. (1902), Asst. to the Secty., Dept. of Agriculture,

- In Charge of Farm Equipment Control, Office of the Secretary, Washington, D. C., and *for mail*, 115 Eddy St., Ithaca, N. Y.
- COOK, O. W. (1915), Mgr., Canadian Cartridge Co., and 27 Bold St., Hamilton, Ont., Canada.
- COOK, Robertson (1914), M. E., Pacific Car & Fdy Co., and 1918 E. Market St., Portland, Ore.
- COOK, Samuel (Associate-Member, 1918), Air Brake Foreman, Van Nest Elec. Shops, N. Y., N. H. & H. R. R. Co., Van Nest, New York, N. Y., and *for mail*, 102 William St., Stamford, Conn.
- COOK, Thomas R. (1911), Ch. Engr., Willard Storage Co., E. 131st St., Cleveland, Ohio.
- *COOK, Wm. P., Jr. (1911; Associate-Member, 1913), Capt. Q. M. C. "The Hamilton," Washington, D. C.; M. E., Thompson-Starrett Co., 51 Wall St., New York, and 668 Putnam Ave., Brooklyn, N. Y.
- *COOKE, Eugene L. (Junior, 1917), Prvt., C. A. S. D., Barracks, Coast Art. Sch. Enlisted Specialists, Fort Monroe, Va.
- COOKE, George W. (1907), Supt., Pierce Arrow Motor Car Co., 1695 Elmwood Ave., and *for mail*, 100 Parkdale Ave., Buffalo, N. Y.
- COOKE, Harte (1897), Sales Mgr., McIntosh & Seymour Corp., 91 Orchard St., and *for mail*, 10 Jefferson St., Auburn, N. Y.
- COOKE, Horace G. (1914), East. Mgr., The Connersville Blower Co., 114 Liberty St., New York, N. Y.
- COOKE, Morris Llewellyn (1903), Manager, 1914-1915; Cons. Engr., Finance Bldg., S. Penn Sq., Philadelphia, Pa., and *for mail*, Mt. Alto Inn, 26 S. Wisconsin Ave., Washington, D. C.
- COOKSON, A. W. (Associate, 1917), Care of Maj. C. B. Rose, Standard Aircraft Corp., Elizabeth, N. J.
- COOKSON, Thomas J. (1916), M. E., The Ohio Blower Co., 9300 Detroit Ave., and 1923 East 71st St., Cleveland, O.
- COOLEY, Erwin S. (1910). In Charge, Plant Engr. Dept., Bethlehem Shipbldg. Corp., Ltd., Fore River Wks., and *for mail*, 100 Elm St., Quincy, Mass.
- COOLEY, M. E. (1884), Vice-President, 1901-1903; Prof. M. E., Dean Colleges of Engrg. and Arch., Univ. of Mich., Rm. 251, New Engrg. Bldg., and 1405 Hill St., Ann Arbor, Mich.; Student Army Training Corps Wk., Lewis Inst., Madison & Robie Sts., Chicago, Ill.
- COOLIDGE, C. E. (1917), Johns Hopkins Univ., Baltimore, Md.
- COOMBS, Howard A. (1903; 1918), Patent Atty., 1002 Washington Loan & Trust Co. Bldg., Washington, D. C.
- COON, J. S. (1880), Prof. M. E., Supt. Shops, Ga. Sch. of Tech., and 26 Kimball St., Atlanta, Ga.
- COON, Thurlow E. (1908; 1914), Pres., The Coon-DeVisser Co., 1923-1925 Ford Bldg., and 196 Edison Ave., Detroit, Mich.
- COONEY, James (Associate-Member, 1915), Supt., Intl. Salt Co., Myers, and *for mail*, 205 Pleasant St., Ithaca, N. Y.
- COONLEY, Howard (Associate, 1917), Pres., Walworth Mfg. Co., Lock Draw 26, Boston, and 50 Dunster Rd., Chestnut Hill, Mass.
- COOPER, Arthur (Associate-Member, 1917), United Rys. of Havana, Havana, Cuba.
- COOPER, David M. (Associate-Member, 1917), M. E., Natnl. Research Council, Carnegie Inst. Tech., Pittsburgh, and *for mail*, 192 Sixth St., Ambridge, Pa.
- COOPER, Elisha H. (Associate, 1915), Treas., The Fafnir Bearing Co., and *for mail*, 169 Vine St., New Britain, Conn.
- COOPER, Frederick F. (1914), Genl. Mgr., Olympian Dredging Co., 249 First St., and *for mail*, 316 Laurel St., San Francisco, Cal.

- COOPER, G. H. (Associate-Member, 1916), Secty. & Treas., The Electric Co., 94 Allyn St., and *for mail*, P. O. Box 757, Hartford, Conn.
- COOPER, George S. (1909), The McGraw Tire & Rubber Co., and *for mail*, 583 W. Martin St., East Palestine, O.
- COOPER, Henry R. (1890; 1895), Solvay Process Co., and *for mail*, 1921 W. Genesee St., Syracuse, N. Y.
- *COOPER, Howard (Junior, 1917), 1st Lieut., A. S. A., U. S. A., Div. of Military Aeronautics, and *for mail*, 1762 Columbia Rd., Washington, D. C.
- COOPER, Howell C. (1912), Genl. Supt., Hope Natural Gas Co., and 667 Mulberry St., Clarksburg, W. Va.
- COOPER, Hugh L. (1913), Cons. Engr., 101 Park Ave., New York, N. Y.
- COPE, Robert H. (Junior, 1912), Sales Engr., Taylor-Wharton Iron & Steel Co., 45 Bromfield St., Boston, and 47 Dunster Rd., Jamaica Plain, Mass.
- COPELAND, Frederick K. (1914), Pres., Sullivan Mch. Co., 122 S. Michigan Ave., Chicago, Ill.
- COPELAND, Stuart B. (Junior, 1913), Pres., Eastern Electro-Chemical Co.; V. P., Eastern Mfg. Co., Exchange St., and 21 First St., Bangor, Me.
- COPLAND, Alexander W. (1913), Pres., Genl. Mgr., Detroit Gear & Mch. Co., and *for mail*, 127 Franklin St., Detroit, Mich.
- COPONY, Alfred (1916), Mgr., Copony Loading Co., Care of Detroit Trust Co., and *for mail*, 217 Vinewood Ave., Detroit, Mich.
- COPPAGE, B. Denver (1915), Exper. Engr., E. I. du Pont de Nemours & Co., and *for mail*, 14 Willard St., Wilmington, Del.
- COPPUS, Frans H. C. (1918), Pres., Treas., & Genl. Mgr. of Coppus Engr. & Equip. Co., 344 Park Ave., Worcester, Mass.
- CORBETT, Melvin C. (Junior, 1915), Aeronautical Draftsman, Aero Engine Lab., U. S. Navy Yard, and *for mail*, 1898 Belmont Rd., Washington, D. C.
- CORBETT, R. H. (1904), Erecting Engr., Nordberg Mfg. Co., and *for mail*, 947 Newhall St., Milwaukee, Wis.
- CORBETT, William B. (Junior, 1916), Draftsman, Terry Steam Turbine Co., and *for mail*, 378 Barbour St., Hartford, Conn.
- CORE, W. Wallace, (1907; 1914), 123 N. 4th St., Newark, N. J.
- COREY, David A. (1917), Factory Mgr., S. F. Bower & Co., Inc., E. Creighton Ave., and 1011 Wildwood Ave., Ft. Wayne, Ind.
- COREY, Fred B. (1894; 1900), Engr., Pittsburgh Valve & Fittings Co., and *for mail*, 615 Newell St., Barberton, O.
- COREY, Varian S. (1916), Supt., The Hampden Watch Co., and *for mail*, 620 Market Ave., S., Canton, O.
- CORLETTE, Glen H. (Junior, 1910), Mgr., Fairbanks, Morse & Co., 475 Calle Peru, Buenos Aires, Argentina, S. A.
- CORMACK, George (1918), Factory Mgr., The H. C. Doman Co., Oshkosh, Wis.
- CORNELIUS, Henry R. (1888), Sales Engr., Mesta Mch. Co., and Darlington Rd., Pittsburgh, Pa.
- CORNELIUSSEN, Olav S. (Associate-Member, 1915), M. E., Cuban Portland Cement Co., Mariel, and Cayo Mason, Cuba.
- CORNELL, Dana R. (Junior, 1918), Asst. Genl. Foreman of Heat-Treating Dept., Standard Forgings Co., Indiana Harbor, and *for mail*, 4315 Magoun Ave., E. Chicago, Indiana.
- CORNELL, H. D. (Associate-Member, 1917), V. P., Genl. Mgr., Bill Oil & Gas Co., 308 Wright Bldg., Tulsa, Okla.
- CORNISH, William R. (Junior, 1913), Power Distribution Engr., The Minn. Steel Co., and 152 First St., Morgan Park Sta., Duluth, Minn.

- CORNWELL, Eugene W. K. (Junior, 1916), Ch. Army Insp., Inspec. Div., Ord. Dept., Republic Iron & Steel Co., 1201 Hillman St., Youngstown, Ohio.
- CORNWELL, Hobart V. (Junior, 1915), Asst. to Mech. Engr., Pa. Coal & Coke Co., 17 Battery Pl., New York, and *for mail*, 152 Greenwich St., Hempstead, L. I., N. Y.
- *CORP, Charles I. (1904; 1915), Capt., Sanitary Corps., U. S. A., Camp Sanitary Engrs., Hdqrs., 16th Sanitary Train., Camp Kearny, Cal.; Assoc. Prof., Hyd. Engrg., Hyd. Lab., Univ. of Wis., and 2114 W. Lawn Ave., Madison, Wis.
- CORREA, William H. (Junior, 1910), Asst. Supt., Stand. Oil Co. of N. Y., Kingsland and Greenpoint Aves., and 1325 Carroll St., Brooklyn, N. Y.
- CORRY, Wm. (1890), V. P., Chrome Steel Wks., 11 Pine St., New York, N. Y.
- CORY, George J., Jr. (Junior, 1912), Eng. Inspr., Submarine Boat Corp., Newark, and *for mail*, 438 Highland Ave., Arlington, N. J.
- CORY, Harry T. (1893-1905), Cons. Engr., U. S. Reclamation Serv., Washington, D. C.
- CORY, Russell G. (1918), Cons. Engr., 39 Cortland St., New York, N. Y.
- COSTA-SCHMIDT, Otta da (1918), Ohio Bronze Powder Co., 1120 E. 152nd St., Cleveland, Ohio.
- COSTER, Edward L. (Associate, 1896), Life Associate; 25 Broad St., New York, and *for mail*, Katonah, N. Y.
- COSTER, Eric H. (1910), Engr., Henry R. Kent & Co., 141 Broadway, New York, N. Y., and *for mail*, 9 Lawn Ridge Rd., Orange, N. J.
- COSTER, Maurice (1904), Managing Dir., Westinghouse Elec. Export Co., 165 Broadway, and 490 West End Ave., New York, N. Y.
- *COTTMAN, Lewis W. (1912), Maj., Gas Defense Div. of Chem. Warfare Serv., New York & Astoria, Astoria Detachment, Astoria, Queens Co., N. Y.; V. P., Clarence Cottman Co., German St., and Grey House, Baltimore, Md.
- COTTON, Howard W. (1918), Pres. H. W. Cotton, Inc., Woolworth Bldg., New York City, N. Y.
- COTTRELL, A. Frank., Jr. (Associate-Member, 1917), Asst. to Supt., Hollingsworth & Vose Co., West Groton, Mass.
- COTTRELL, Holmes A. (Junior, 1917), Carburetor Engr., Detroit Lubricator Co., and *for mail*, 215 Blaine Ave., Detroit, Mich.
- COUCH, A. D. (Junior, 1915), Boiler House Supvr., Hercules Powder Co., Kenvil, and *for mail*, 13 Lincoln Ave., Dover, N. J.
- COUCH, Frederick F. (Associate-Member, 1918), Assoc. Prof., Rutgers College, and *for mail*, 309 Grant Ave., Brunswick, N. J.
- COULTER, James (1913), V. P., Automatic Mch. Co., and 51 Hough Ave., Bridgeport, Conn.
- COURTENAY, Charles R. (1914), M. E., Partner, Watertown Eng. and Mch. Co., Mill St., and *for mail*, 351 Arsenal St., Watertown, N. Y.
- COUSINS, George T. (1915), Mgr., Mining and Drill Dept., Ingersoll-Rand Co., 11 Broadway, New York, and *for mail*, 31 Boulevard, New Rochelle, N. Y.
- COUTANT, Jay G. (1913; 1916). Care of Societe d'Utilisation des Combustibles Pulverulents, 55 Rue de Chateaudun, Paris, 8e ARRT, France.
- COVE, J. Robie (Associate-Member, 1915), Plant Engr., Lever Bros. Co., Cambridge, Mass.
- COVELL, Grant A. (1916), Dean, Sch. of Engrg., Ore. Agri. College, Corvallis, Ore.
- COVELL, Harry N. (1891), Wks. Mgr., Lidgerwood Mfg. Co., foot of Dikeman St., and 7 E. 19th St., Brooklyn, N. Y.

- COVERDALE, Edward J. (Associate, 1917), Sales Engr., Fairbanks-Morse & Co., 115 E. Lombard St., and Emerson Hotel, Baltimore, Md.
- COWELL, Franklin W. (Associate-Member, 1916), Traveling Engr., The Great West. Sugar Co., and *for mail*, 705 28th Ave., Billings, Mont.
- COWELL, William A. (Junior, 1913), Designing Engr., The Ingersoll-Rand Co., Phillipsburg, N. J., and *for mail*, 119 McCartney St., Easton, Pa.
- COWEN, Harry (Junior, 1913), Genl. Foreman, Mech. Dept., N. Y. Rys. Co., 117 W. 50th St., and *for mail*, 999 Aldus St., New York, N. Y.
- *COWLES, Clifford A., Jr. (Associate-Member, 1917), Prvt., S. C., 5th Service Co. Detach., Squadron A, Gerstner Field, Lake Charles, La.
- *COWPERTHWAIT, Allan (Junior, 1899), Maj., Ord. Dept., U. S. A., Insp. Mgr., Detroit Ord. Dist., and 109 W. Willis St., Detroit, Mich.
- *COX, Abraham B. (1914), Capt., Ord. Dept., U. S. A., A. E. F., France, and *for mail*, 55 Liberty St., New York, N. Y.
- COX, C. Gordon (1917), Dist. Mgr., McIntosh & Seymour Corp'n., 815 Sheldon Bldg., San Francisco, and 100 Manor Drive, Piedmont, Cal.
- COX, Frank G. (1905; Associate, 1908), N. Y. Sales Mgr., Edge Moor Iron Co., Edge Moor and 2415 W. 17th St., Wilmington, Del.
- COX, Frederick W. (1908), Commer. Engr., Andersen Meyer & Co., Ltd., Shanghai, China.
- COX, Jacob D. (1881), Pres., The Cleveland Twist Drill Co., 1242 E. 49th St., and 3411 Euclid Ave., Cleveland, O.
- *COX, James W., Jr. (Associate-Member, 1916), Lieut., Q. M. C., A. E. F., France, and *for mail*, 3 Elk St., Albany, N. Y.
- COX, John W. (1916), Ch. Engr., Erie Malleable Iron Co., and 1111 W. 9th St., Erie, Pa.
- COX, Millard F. (1913), Asst. Supt. Mchy., Louisville & Nashville R. R. Co., and *for mail*, 2136 Park Pl., Louisville, Ky.
- COX, Spencer F. (Associate-Member, 1917), San Bernardino Shops, A. T. & S. F. R. R., and *for mail*, 1205 Pine St., San Bernardino, Cal.
- COYLE, Andrew M. (1913), Engr., Ord. Material, Standard Steel Car Co., and 25 Ruth St., Hammond, Ind.
- COYLE, William T. (Associate-Member, 1918), Head of Design Dept., U. S. Nav. Experimental Sta., New London, and *for mail*, 21 Elliott Ave., Neptune Park, New London, Conn., Secy. & M. E., Deane Mch. Co., 53 Water St., Fitchburg, Mass.
- COZENS, Alfred E. (Associate-Member, 1918), Outside Ch. Engr., Standard Shipbldg. Corp., Shooters Island, and *for mail*, 363 82nd St., Brooklyn, N. Y.
- COZZENS, Henry A., Jr. (Junior, 1914), Asst. M. E., Am. Hard Rubber Co., 11 Mercer St., New York, N. Y., and *for mail*, 21 Brunswick St., Newark, N. J.
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- CRAIG, Clyde B. (Associate, 1918), Mgr., Mid West Br., Bessemer Gas Engine Co., 616 Kenedy Bldg., Tulsa, Okla.
- CRAIG, Howard B. (Junior, 1899), Solvay Process Co., Syracuse, N. Y.
- CRAIG, James (1897), James Craig Eng. & Mch. Wks., 807 Garfield Ave., Jersey City, N. J., and 120 Echo Ave., New Rochelle, N. Y.
- CRAIG, Robert (1907; Associate, 1918), Mgr. & Mgr.'s Agent, 50 7th St., San Francisco, and *for mail*, 2241 Parker St., Berkeley, Cal.
- CRAIG, Thomas H., Jr. (Junior, 1918), Salesman, Manning, Maxwell & Moore, Inc., 119 W. 40th St., New York, N. Y., and *for mail*, 268 Claremont Ave., Montclair, N. J.
- CRAIG, William D. (1918), Engr., Atlas Powder Co., Wilmington, Del.

- CRAIGLOW, Harry H. (Junior, 1911), Asst. Supt., The Buckeye Steel Castings Co., and 717 Wilson Ave., Columbus, O.
- CRAIN, John J. (1896; 1908), Sales Engr., The Waterbury Tool Co., Waterbury, Conn.
- CRAIN, L. D. (1914), Prof. M. E., State Agri. College, Box 513, and 810 S. College Ave., Fort Collins, Colo.
- CRAMER, Robert (1914), Ch. Engr., Kingsford Fdy. & Mch. Wks., W. 2nd & Erie Sts., and *for mail*, 156 East 4th St., Oswego, N. Y.
- CRAMER, Sidney R. (Associate-Member, 1918), Cost Estimator, Am. Loco. Co., 106 Northern Ave., New York, N. Y.
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- *CRANE, Eugene C. (Junior, 1915), 1st Lieut., Engrs., U. S. A., Office of Ch. of Engrs., Washington, D. C., and *for mail*, 4277 Sheridan Ave., Minneapolis, Minn.
- CRANE, Frederick L. (Junior, 1912), Statistician, West Penn. Rys. Co., 221 4th Ave., and 540 Celeron St., Pittsburgh, Pa.
- CRANE, Holden I. (1916), Wks. Engr., Am. Rolling Mill Co., Gun Carriage Plant, Hamilton, and *for mail*, 353 Warren Ave., Clifton, Cincinnati, O.
- CRANE, J. B. (1914), Lehigh Navigation Elec. Co., P. O. Box 656, Allentown, Pa.
- CRANE, R. T., Jr. (1916), Pres., Crane Co., and *for mail*, 836 S. Michigan Ave., Chicago, Ill.
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- CRARY, James H. (Associate-Member, 1918), Inspc. of Mchy., Bureau of Steam Engrg., U. S. N., Babcock & Wilcox Co., and 124 W. 5th St., Bayonne, N. J.
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- CRAWFORD, Charles C. (1906; 1916; 1918), Mgr. Houston Office, A. M. Lockett & Co., 423 S. P. Bldg., and 5 Savoy Apts., Main St., Houston, Tex.
- *CRAWFORD, Chauncey H. (1916), Lieut. Col. of Engrs., U. S. A., Genl. Engr. Depot, 1438 U St., N. W., and *for mail*, 3157 Mt. Pleasant St., N. W., Washington, D. C.
- CRAWFORD, David F. (1899), Manager, 1910-1913; V. P., Locomotive Stoker Co., Robinson & Darragh Sts., and *for mail*, 5243 Ellsworth Ave., Pittsburgh, Pa.
- CRAWFORD, Thomas G. (1916), 66 Livingston Ave., Pittsfield, Mass.
- CRAWLEY, George E. (Junior, 1908), The Francisco Sugar Co., Francisco, Provincia de Camaguey, Cuba.
- CREDO, Julius (Associate-Member, 1916), Supt., Hildick Apple Juice Co., and Willets Rd., Mt. Kisco, N. Y.
- CREELMAN, Frank (1884), The Mohegan Hotel, New London, Conn., and 159 W. 78th St., New York, N. Y.
- CRESSLER, Kerr Murray (1907; Associate-Member, 1917), Prod. Mgr., Avery Co., 2301 N. Adams St., and 210 N. University St., Peoria, Ill.
- CREWSON, G. G. (Associate-Member, 1915), M.E., E. I. du Pont de Nemours & Co., Wilmington, and *for mail*, R. R. 1, Box 108 Edgemoor, Del.
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- CRISSEY, Clarence P. (1912), De Laval Steam Turbine Co., and *for mail*, 924 W. State St., Trenton, N. J.
- CROCKARD, Frank H. (1909), Pres., Woodward Iron Co., Woodward, Ala.
- CROCKER, A. G. (Junior, 1911), Steam Engr., Westinghouse Elec. Mfg. Co., 1205 Dime Bank Bldg., and 178 Allendale Ave., Detroit, Mich.
- CROCKER, Allen S. (1905), Supt. and Cons. Engr., Mechanics Inst., and 15 Audubon St., Rochester, N. Y.
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- CROCKETT, Charles H. (Junior, 1918), Prod. Div., Watervliet Arsenal, Watervliet, and *for mail*, Stow Ave., Troy, N. Y.
- CROFOOT, George E. (1907, 1913), Asst. Prof., Mech. Engrg., Towne Scientific Sch., Univ. of Pa., and 2233 Farragut St., Philadelphia, Pa.
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- CROLL, A. G., (Associate, 1901), Genl. Supt., Atlas Cement Co., 30 Broad St., New York, N. Y., and 546 Park Ave., East Orange, N. J.
- CROMWELL, J. C. (1892; 1900), Engr., The Cromwell Steel Co., Guardian Bldg., and 1781 E. 89th St., Cleveland, O.
- CROMWELL, Oliver C. (1914), M. E., The B. & O. R. R. Co., Mt. Clare, and Elsmore and Beech Aves., Baltimore, Md.
- CRONAN, Clifford B. (Junior, 1916), Tool Designer, Pratt & Whitney Co., and *for mail*, 53 Torwood St., Hartford, Conn.
- *CRONEMEYER, H. C. (1912), 1st Lieut., Co. "C," 28th Engrs., A. P. O. No. 701, A. E. F., France.
- CRONIN, F. Howard (1917), Supt. Mech. Div. Water Dept., Gay and Wolfe Sts., and Windsor Hill Apts., Baltimore, Md.
- CROOK, Geo. L. (1905), Pres., Genl. Mgr., Aerothrust Eng. Co., and 1227 Michigan Ave., La Porte, Ind.
- *CROOK, William R. (Junior, 1918), 1st Lieut., Q. M. C., Constr. Div., Camp Holabird, and *for mail*, 1217 N. Calvert St., Baltimore, Md., and 1227 Michigan Ave., La Porte, Ind.
- CROOKER, Ralph (1890), Acton, Mass.
- CROOKS, Stanley B. (Junior, 1916), Empire Gas & Pipe Line Co., Rm. 404, First Natnl. Bank Bldg., and *for mail*, Chickasaw Ave., Bartlesville, Okla.
- CROSBY, Edward H. (1913), Genl. Supt., The Veder Mfg. Co., and 252 Edgewood St., Hartford, Conn.
- CROSBY, Oliver (1911), Managing Partner, Engr., Am. Hoist & Derrick Co., 63 S. Robert St., St. Paul, Minn.
- CROSBY, Wm. F. (Associate-Member, 1917), Service Mgr., Intl. Motor Co., 1808 S. Michigan Ave., Chicago, Ill.
- CROSBY, William W. (1900; 1902), Mill Engr. and Arch., H. M. Haven & Wm. W. Crosby, 40 Court St., Boston, and 8 Old Mystic St., Arlington, Mass.
- CROSS, Charles D. (Junior, 1916), Mchy. Utilities Co., Inc., 501 5th Ave., and *for mail*, 124 W. 93rd St., New York, N. Y.
- CROSS, Charles N. (1911), Asst. Prof. M. E., Leland Stanford Jr. Univ., Stanford Univ., Cal.
- CROSS, Garrett P. S. (1913), Am. Y. M. C. A., 12 rue d'Aguesseau, Paris, France.
- CROSS, Henry B. (1913), Secy., Genl. Fire Extinguisher Co., 275 W. Exchange St., and 69 Keene St., Providence, R. I.
- *CROSS, Wallace, J. (Associate-Member, 1914), 1st Lieut., Engrs., U. S. A., Student, E. O. T. S., Camp Humphreys, Va., and *for mail*, 1317

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- CROUTHAMEL, John F. (Junior, 1917), Draftsman, Artillery Dept., Midvale Steel & Ordnance Co., 4300 Wissahickon Ave., and *for mail*, 4528 N. Carlisle St., Philadelphia, Pa.
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- CROWELL, Henry W. (1912), Research Insp., U. S. Gas Defense Plant, Jackson & 2nd Aves., Long Island City, and *for mail*, 34 Continental Ave., Forest Hills Garden, L. I., N. Y.
- CROWELL, William J., Jr. (1908; 1916), Staff Engr., Harrison Safety Boiler Wks., 17th & Allegheny Ave., Philadelphia, and Wyncote, Pa.
- *CROWLEY, Henry L. (Junior, 1918), Ensign, Technician, Ord. Dept., Asst. to Commander, Nav. Proving Grounds, Indian Head, Md., and 101 W. 109th St., New York, N. Y.
- CROZIER, Herbert W. (1914), Engr., Sanderson & Porter, Nevada Bank Bldg., and *for mail*, 14 Montgomery St., San Francisco, Cal.
- CRUIKSHANK, Dr. Barton (1913), War Dept., U. S. Govt. Explosives Plant, Nitro, W. Va., and *for mail*, Potsdam, N. Y.
- CRUTE, William R. (1910; Associate-Member, 1916), Aero. M.E., Nav. Aircraft Factory, Navy Yard, and *for mail*, 1810 Tioga St., Philadelphia, Pa.
- CUERVO, Manuel V. (Associate-Member, 1916), Mem. of Firm, Cuervo & Pagliery, Calle Cuba 47, and *for mail*, Calle 6 entre 11 y 13, Vedado-Havana, Cuba.
- *CULLEN, J. W. (Associate-Member, 1916), Lieut. Sig. Corps, U. S. A., A. E. F., France, and *for mail*, care of Niles-Bement-Pond Co., 111 Broadway, New York, N. Y.
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- *CULVER, Edward P. (Junior, 1918), 2nd Lieut., Air Service, Aeronautics U. S. A., Instrument Officer, Selfridge Field, Mt. Clemens, Mich.
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- CUMMINGS, Edgar C. (1918), Pres., care of The Cummings Mch Co., Minister, Ohio.
- CUMMINGS, Fred A. (1918), Res. Engr., Nashua Mfg. Co., Nashua, N. H., and *for mail*, 85 Perkins St., Jamaica Plain, Boston, Mass.
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- CUMMINGS, Wm. W. (1905), Cons. and Contr. Engr., 15 Winter St., Woburn, Mass.
- CUMMINS, Norman W. (1918), Ch. Engr. & Dir. of The Burns & Bassick Div. of The Bassick Co., 36 Austin St., and *for mail*, 679 Maplewood Ave., Bridgeport, Conn.
- CUMMINS, Thomas C. (Associate, 1915), Sales Engr., The N. Y. Continental Jewell Filtration Co., 15 Broad St., and *for mail*, 202 E. 68th St., New York, N. Y.
- CUMMISKEY, William M. (1914), Cons. Engr., The Storm Mfg. Co., 50 Vesey St., and *for mail*, 265 High St., Newark, N. J.
- CUMNER, Matthew S. (1912), V. P., Nester Mfg. Co., Inc., 40 W. 13th St., New York, and *for mail*, 83 Clarkson Ave., Brooklyn, N. Y.
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- *CUNNINGHAM, Francis (Associate-Member, 1916), 1st Lieut., Q. M. C., Pairlion, Camp Devens, Ayer, and care of John A. Stevens, 8 Merrimack St., and 383 E. Merrimack St., Lowell, Mass.
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- CURLY, Raymond E. (Associate-Member, 1917), Ballistic Engr., West Cartridge Co., East Alton, Ill., and *for mail*, 164 Franklin Ave., Long Branch, N. J.
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- CUREY, Frederick H. (1916), Plant Supt., Hudson Motor Car Co., and 273 Seyburn Ave., Detroit, Mich.
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- CURRY, Malcolm (1917), Genl. Engr., Am. Thread Co., 260 W. Broadway, New York, and *for mail*, 1 Gilmore Ct., Hartsdale, White Plains, N. Y.
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- CURTIS, Edma H., Jr. (Junior, 1901), Nivison Werskopf Co., and 702 Ridgeway Ave., Cincinnati, O.
- *CURTIS, Greely S. (1897; 1904), Lieut. (j. g.), 10th Deck Div., Mass. Nav. Militia; Treas., Burgess Co., Pres., Curtis Co., Marblehead, Mass.
- *CURTIS, Lewis E. (1914), Cons. Engr., Kenilworth, Ill.

- CURTIS, Ralph E. (1888; 1901), Edison Elec. Ill. Co. of Boston, 39 Boylston St., Boston, and *for mail*, 15 Allen St., West Roxbury, Mass.
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- CUSHING, Ralph A. (1913), Wks. Mgr., Easton Mch. Co., Central St., South Easton, and *for mail*, 74 Thurber Ave., Brockton, Mass.
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- CUTLER, Arthur E. (1910), Mech. Supt., Ashton Valve Co., 161 First St., East Cambridge, and *for mail*, 17 Chetwynd Rd., Somerville, Mass.
- CUTLER, Frank G. (1914), Ch., Bureau of Steam Engrg., Tenn. Coal, Iron & R. R. Co., and *for mail*, 2651 Pike Ave., Ensley, Ala.
- *CUTLER, James B. (Junior, 1917), 2nd Lieut., U. S. Battery "F," 319th F. A., A. E. F., France.
- CUTLER, Max E. (Junior, 1916), Supv. Engr., Hamilton & DeLoss Inc., P. O. Box 1031, Bridgeport, and *for mail*, 105 Warwick Ave., Stratford, Conn.
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- CUTTER, Lawrence E. (1914), Asst. Prof. M. E., Leland Stanford, Jr., Univ., Stanford Univ. P. O., and *for mail*, 627 Webster St., Palo Alto, Cal.
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- DABNEY, John C., Jr. (Junior, 1916), Supt., Glamorgan Pipe & Fdy. Co., and 1467 Yancey St., Lynchburg, Va.
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- *DAHLQUIST, Charles S. (1918), Maj., Q. M. C., Supv. of Inspc., Inspc. Div., Motor Transport Service, and *for mail*, 1107 17th St., N. W., Washington, D. C.
- DAHLSTRAND, Hans (1910), M. E., Steam Turbine Engrg. Dept., Allis-Chalmers Mfg. Co., Milwaukee, Wis.
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- DALAS, Frank L. (Junior, 1914), Head Electrician at Mines, Burma Mines, Ltd., Tiger Camp via. Namtu, Northern Shan States, Burma, India.
- DALE, O. G. (1894), Asst. Ch. Engr., Am. International Shipbuilding

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- DALE, William J. (Associate-Member, 1918), Ch. Engr. in Charge of Power Installations, Minas de Matahambre, Pinar del Rio, Cuba.
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- DALLETT, W. P. (1888), Life Member; Hyd. Engr., Contr., 49 N. 7th St., Philadelphia, and Media, Pa.
- DALLEY, A. H. Chas. (1914; Associate, 1918), Cons. Engr., Loco. Superheater Co., Peoples Gas Bldg., Chicago, and *for mail*, 2737 Eastwood Ave., Evanston, Ill.
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- DALRYMPLE, Philip W. (Junior, 1915), Power Engr., Bethlehem Shipbldg. Corp., Sparrows Point, and *for mail*, 311 Edgevale Rd., Roland Park, Md.
- DALTON, William (1902), R. D. No. 2, Schenectady, N. Y.
- DAM, William V. (1906), Genl. Mgr., Thompson & Co., and *for mail*, "Kalimna," Hall St., Castlemaine, Victoria, Australia.
- DAMON, John H. (1908; 1910), M. M., Plymouth Cordage Co., North Plymouth, and 258 Court St., Plymouth, Mass.
- DAMON, Walter H. (1909), Supt. of Generating, United Elec. Light Co., 73 State St., and *for mail*, 32 Bancroft St., Springfield, Mass.
- DANA, Clarence A. (1918), Mech. Engr., Saco-Lowell Shops, and *for mail*, 324 Stevens St., Lowell, Mass.
- DANA, Wm. Jay (Associate-Member, 1918), Engr., The C. & P. Tel. Co., 13th & G Sts., N. W., and 1806 Lawrence St., N. E., Washington, D. C.
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- *DANFORTH, Thomas Dwight (Junior, 1916); 2nd Lieut., F. A., U. S. A., Hdqrs. Co., 3rd Regt. Field Art., Replacement Depot, Camp Jackson, S. C., and *for mail*, Box 522, West Newton, Pa.
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- *DANKS, Roy L. (Junior, 1918), Ch. Machinists Mate, U. S. N., R. F., Machinist Div., and *for mail*, care of B. H. Danks, Woolworth Bldg., New York, N. Y.
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- DART, Harry E. (1917), Supt., Engrg. Dept., The Hartford Steam Boiler Inspc. & Ins. Co., 56 Prospect St., and Brazos St., R. F. D. No. 1, Hartford, Conn.
- DART, William C. (Associate, 1907), Pres., R. I. Tool Co., 148 West River St., and 16 Stimson Ave., Providence, R. I.
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- DAUGHERTY, Samuel B. (1905), Mgr. of Sales, Snow-Holly Wks., Worthington Pump & Mchy. Corp., Roberts Ave., and *for mail*, 129 Claremont Ave., Buffalo, N. Y.
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- *DAVIES, Thomas R. (Junior, 1915), Capt., Ord. Engr. Div., Mobile, Gun Carriage Sec., Washington, D. C.; W. R. Grace & Co., 7 Hanover Sq., New York, N. Y., and *for mail*, 30 Maple St., Montrose, Pa.
- DAVIS, A. C. (1909), V. P., and Wks. Mgr., Gurney Ball Bearing Co., Jamestown, and Main and Hempstead Sts., Falconer, N. Y.
- DAVIS, Albion R. (Junior, 1913), M. E., Stone & Webster, 147 Milk St., Boston, and *for mail*, 70 Quint Ave., Allston, Mass.
- DAVIS, Arthur C. (Junior, 1917), Hotel Evangeline, Huntington Beach, Cal.
- *DAVIS, Calvin E. (Associate-Member, 1916), 2nd Lieut., A. S. A. P., U. S. A., Prod. Engrg. Dept., Bureau Aircraft Prod., 502 Air Bldg., Dayton, O., and *for mail*, 8 Nickersen St., Cazenovia, N. Y.
- DAVIS, Charles B. (1915), Engr., Mch. Salesman, C. B. Davis Engrg. Co., 734 Brown-Marx Bldg., Birmingham, and 2028 Calera Ave., Ensley, Ala.
- DAVIS, Charles Ethan (1886), Cons. Engr., 885 West End Ave., New York, N. Y.
- DAVIS, Charles Henry (1890), South Yarmouth, Mass.
- DAVIS, Edwin H. (1907; 1916), Ch. Draftsman, Am. Steam Pump Co., N. Jefferson St. and *for mail*, 76 Chestnut St., Battle Creek, Mich.
- DAVIS, Edwin P. (Associate-Member, 1916), Supt., Bradley Mch. Co., 356 Bishop Ave., and 73 Church Lane, Bridgeport, Conn.
- DAVIS, Francis G. (Associate-Member, 1918), Asst. Mgr., Bridgeport Crucible Co., 304 E. Washington St., Bridgeport, Conn., and *for mail*, 2452 Delaware Ave., Buffalo, N. Y.
- *DAVIS, Francis P. (Junior, 1913), 2nd Lieut., Co. "A," 2nd Amn. Train, A. E. F., France, and 236 Meeting St., Providence, R. I.

- DAVIS, Fred R. (1914), Lubrication Engr., Vacuum Oil Co., Minneapolis, and *for mail*, 2107 E. 5th St., Duluth, Minn.
- DAVIS, Frederick H. (Associate-Member, 1918), M. E., Balbach Smelting & Refining Co., 580 Market St., Newark, N. J.
- DAVIS, G. Maslin (1918), Loco. Designer, Norfolk & West. Ry. Co., and *for mail*, 504 12th St., S. W., Roanoke, Va.
- DAVIS, George C. (1915), Pres., G. M. Davis Regulator Co., 422 Milwaukee Ave., Chicago, Ill.
- DAVIS, George Henry (1913), Mem. of Firm, Ford, Bacon & Davis, 921 Canal St., and 383 Walnut St., New Orleans, La.
- DAVIS, George Howard (Junior, 1907), Secy., J. J. Kenyon Mfg. Co., and 10 Howard Ave., Pawtucket, R. I.
- DAVIS, Herbert R. (1901; 1914), Genl. Supt., Dominion Natural Gas Co., Ltd., 842 Marine Bank Bldg., and 212 Summit Ave., Buffalo, N. Y.
- DAVIS, Herman H. (1913), Farmer, Newtown, Bucks Co., Pa.
- DAVIS, Howard E. (Associate-Member, 1918), M. Supt., The Austin Co., 16112 Euclid Ave., Cleveland, Ohio.
- DAVIS, John F. (Junior, 1912), Supt., Beckett Paper Co., and 616 Dayton St., Hamilton, O.
- DAVIS, John R. (Junior, 1916), Ch. Tester, U. S. Gypsum Co., and *for mail*, P. O. Box 331, Oakfield, N. Y.
- DAVIS, Leon K. (1911), Fire Protection Engr., U. S. Railroad Administration, Rm. 413, 718 18th St., Washington, D. C.
- DAVIS, O. M. (1914), M. E., The Whitehead & Kales Iron Wks., Beacher & McRy Sts., Detroit, Mich.
- DAVIS, William J., Jr. (1910), Coast Engr., Genl. Elec. Co., Rialto Bldg., San Francisco, Cal.
- DAVISON, Clarence M. (Junior. 1909), Genl. Mgr., Westbrook Elev. Co., Danville, Va.
- DAVISON, Gregory C. (1913), V. P., Elec. Boat Co., Groton, and 913 Montauk Ave., New London, Conn.
- DAVISSON, Woodford (Associate-Member, 1915), Ch. Engr., Rancho La Brea Oil Co., 908 Merchants Natl. Bank Bldg., and 678 Irlo St., Los Angeles, Cal.
- DAVOL, Frank H., Jr. (1916), M. E., 100 John St., New York, and 115 Remsen St., Brooklyn, N. Y.
- DAVOL, George K. (1904), M. E., 503 Market St., San Francisco, Cal.
- DAWES, Herbert N. (1902), V. P., Treas., Nightingale & Childs Co., 205 Congress St., Boston, and 100 Orange St., Chelsea, Mass.
- DAWES, Robert (1890; 1896), V. P., Supt., Haskell-Dawes Mch. Co., Erie and Trenton Aves., Philadelphia, and 5014 Penn St., Frankford, Philadelphia, Pa.
- DAWLEY, Clarence A. (1904; 1912), Cons. Engr., New Jersey Meter Co., and *for mail*, 904 Watchung Ave., Plainfield, N. J.
- DAWLEY, Howard H. (Associate-Member, 1917), Safety Supr. Remington Arms-U. M. C., Inc., and *for mail*, 100 Elm St., Ilion, N. Y.
- DAWSON, George H. (1916), Plant Engr., Remington Arms Union Metallic Cartridge Co., Inc., and 156 John St., Ilion, N. Y.
- DAWSON, Maynard S. (Junior, 1918), Draftsman, Woodard Mch. Co., and *for mail*, 555 E. Bowman St., Wooster, O.
- DAWSON, Val S. (Junior, 1914), Supt., Fidelity Cotton Oil Co., P. O. Box 1793, and 400 Emerson St., Houston, Tex.
- DAY, Charles (1902; 1912), Pres., Day & Zimmermann, 611 Chestnut St., Philadelphia, and Abbottsford Ave., Germantown, Philadelphia, Pa.
- DAY, Charles H. (1913), Engr., The Grasselli Chem. Co., Cleveland, and *for mail*, 1887 Rosemont Rd., East Cleveland, O.

- DAY, Charles I. (Junior, 1910), Genl. Mgr., So. Utilities Co., Genl. Office, Palatka, Fla.
- DAY, George H. (1912), Development Mgr., Rochester Spectacle Co., 236 Andrews St., and 166 Shepard St., Rochester, N. Y.
- DAY, Irvin W. (Junior, 1908), Vice-Pres., The Conn. Light & Power Co., 111 West Main St., Waterbury, Conn.
- DAY, Leonard A. (1909), Ch. M. E., St. Louis Water Dept., 34 E. Grand Ave., and *for mail*, 4015a Greer Ave., St. Louis, Mo.
- DAY, O. L. (Junior, 1916), Asst. Engr., Harbison-Walker Refractories Co., 1800 Farmers Bank Bldg., Pittsburgh, Pa.
- DAY, Percy C. (1913), Engrg. Mgr., Helical Gear Dept., The Falk Co., and *for mail*, 3209 Cedar St., Milwaukee, Wis.
- DAY, William A. (1916), Genl. Sales Mgr., The Frost Mfg. Co., 112 W. Adams St., Chicago, Ill.
- *DAYTON, Birge S. (Junior, 1916), C. Co., 6th, U. S. Engrs., Am. Exped. Forces, France, and *for mail*, 16 Berkshire St., Worcester, Mass.
- DEACON, Ralph W. (Associate, 1907), Supt. U. S. Metals Refining Co., Chrome, and 559 Westminster Ave., Elizabeth, N. J.
- DEAN, Ambrose B. (1913), Head of Engr. Dept., Pacific Commercial Co., also Anderson Meyer & Co., Ltd., 80 Wall St., New York, N. Y., and 277 Lafayette Ave., Passaic, N. J.
- DEAN, A. M. (1907; 1913), V. P. & Ch. Engr., Templar Motors Corp., Madison Ave. & Halsted St., Cleveland, and *for mail*, 16122 Clifton Blvd., Lakewood, O.
- DEAN, Dion K. (Junior, 1912), Dist. Sales Mgr., Alberger Pump & Cond. Co., 88 Broad St., Boston, and 85 Faun Bar Ave., Winthrop, Mass.
- DEAN, Edmund W. (1905), Ch. Draftsman, Duplex Ptg. Press Co., and 102 Wendell St., Battle Creek, Mich.
- DEAN, Francis W. (1883), Vice-President, 1895-1897; U. S. Shipping Bd., Emergency Fleet Corpn., Philadelphia, Pa., and 4 Eliot Rd., Lexington, Mass.
- DEAN, Hubert R. (Junior, 1916), Engr., John A. Stevens, 8 Merrimack St., Lowell, and 236 Pelham St., Methuen, Mass.
- DEAN, Peter P. (1914), Engr., Cutler-Hammer Mfg. Co., 50 Church St., and 245 Fort Washintgon Ave., New York, N. Y.
- DEAN, Raymond S. (Associate, 1918), Sales Engr., Manning, Maxwell & Moore, 27 N. Jefferson St., Chicago, Ill.
- DEARBORN, Wm. L. (1913; 1917), Dist. Rep., Barclay, Parsons & Klapp, 60 Wall St., New York, N. Y., and 221 W. Freemason St., Norfolk, Va.
- DEATS, William (1913), Factory Supt., Mem. Firm, The Edgar O. Clark Co., New York, and *for mail*, 34 Carrol St., Yonkers, N. Y.
- DE BAUFRE, Wm. L. (1909; 1913), M. E., U. S. Naval Engrg. Exper. Sta., and *for mail*, 84 Market St., Annapolis, Md.
- DECHERD, Constant K. (1914), M. M., Factory E., Internatl. Silver Co., and *for mail*, P. O. Box 464, Meriden, Conn.
- DECKER, Edward P. (1906), Asst. to Pres., Dusenber Motors Corpn., 120 Broadway, New York N. Y., and The Decker Farms, Brighton, Mich.
- DECKER, George A. (1915), Wks. Engr., Warner & Swasey Co., Cleveland, and *for mail*, 1633 Carlyou Rd., East Cleveland, O.
- DECKER, Rudolph J. (1917), M. E., Edward J. Smith, 30 Church St., and 307 W. 98th St., New York, N. Y.
- DEDMAN, Bryant (Associate-Member, 1918), Engr., Engrg. Dept., Poole Engrg. & Mch. Co., Baltimore, Md.
- DEDRICK, Benjamin W. (1914), Instr., Mill Engrg., Pa. State College, and *for mail*, Lock Box 442, State College, Pa.

- DEE, William V. (Associate, 1918), 578 Beechwood Ave., Bridgeport, Conn.
- *DEEDS, Edward A. (Associate, 1900), Col., Sig Corps., U. S. A., 4th & Missouri Ave., and 1533 New Hampshire Ave., Washington, D. C.
- DEGLER, Howard E. (Junior, 1918), Instr. in Automobile Technique, U. S. Training Detach., Hampton Inst., Hampton, Va.
- DEILY, Arthur T. (Junior, 1913), M. E., Nordyke & Marmon Co., and *for mail*, 844 N. Gray St., Indianapolis, Ind.
- DEINERT, Edmund F. (1914), Supt., Pumping Stas., Hawaiian Commercial & Sugar Co., Puunene, Maui, Hawaii.
- DE KLYN, John H. (Junior, 1918), Aeronautical Engr., Natnl. Advisory Committee for Aeronautics, Bldg. D-4½ St., and Missouri Ave., and *for mail*, 3225 13th St., N. W., Washington, D. C.
- DeLAMARTER, Oakley R. (1902), V. P., Chadick, Delamater Corp'n., 159-161 W. 24th St., New York, and Pondfield Rd., Bronxville, N. Y.
- DELAMATER, V. N. (1913), Asst. Sales Mgr., Hyatt Roller Bearing Co., 3066 W. Grand Blvd., Detroit, Mich.
- De LANCEY, Darragh (1891; 1908), 52 Pine St., Waterbury, Conn.
- DELANY, Charles H. (1907), Pac. Gas & Elec. Co., 445 Sutter St., and *for mail*, 2946 Pierce St., San Francisco, Cal.
- *DE LANY, Edwin H. (1918), Com., U. S. Navy, Bath Iron Wks., Ltd., Bath, Me.
- DE LANY, George S. (1912), Taylor & Fenn Co., Hartford, Conn., and 59 Corinne Rd., Brighton, Boston, Mass.
- DE LAVAL, Carl G. (1886), V. P., East Jersey Pipe Corp'n; V. P., Am. Shell Co.; V. P., Intl. Steel & Ordnance Corp'n., Paterson, and *for mail*, 136 Highland Ave., Orange, N. J.
- DE LEEUW, Adolph L. (1901), M. E., The Singer Mfg. Co., Elizabethport, and *for mail*, 1024 Park Ave., Plainfield, N. J.
- *DE LEMOS, Frederick P. (Junior, 1917), 2nd Lieut., Inf., U. S. A., Lafayette College, Easton, Pa., and *for mail*, 824 St. Nicholas Ave., New York, N. Y.
- *DE LEMOS, Sidney P. (Associate-Member, 1914), Capt., Corps of Engrs., Staff, A. E. F., France, via New York, and *for mail*, 824 St. Nicholas Ave., New York, N. Y.
- DELLPLAIN, Morse (1918), V.-P., Northern Indiana Gas & Elec. Co., 571 Hohman St., and 863 Hohman St., Hammond, Ind.
- DEMAREST, D. C. (1917), Mgr., Angels Iron Wks., Angels Camp, and 1710 Walnut St., Berkeley, Cal.
- DEMAREST, Henry S. (Associate, 1914), Sales Mgr., Greene, Tweed & Co., 109 Duane St., New York, and *for mail*, 164 Fulton Ave., Hempstead, L. I., N. Y.
- DEMING, Wm. H. (1897), M. E., Continental Iron Wks., and 531 Eastern Parkway, Brooklyn, N. Y.
- *DEMOREST, William J. (Junior, 1914), Capt., Ord. Dept., U. S. A., Springfield Armory, and 384 Union St., Springfield, Mass.; V. P. & Gen. Mgr., The Park Ave. Operating Co., and *for mail*, 512 5th Ave., New York, N. Y.
- DEMPSEY, Harry B. (Associate-Member, 1914), Mgr., H. B. Dempsey Furnace Co., 253 Broadway, New York, and "The Franklin," Jamaica, L. I., N. Y.
- DEMPSEY, Michael J. (Junior, 1916), Charge Mech. Drafting, Chase Metal Wks., and *for mail*, 197 Lincoln St., Waterbury, Conn.
- DEMPWOLF, Charles J. (Junior, 1915), M. E., Ch. Draftsman and Engr., James Craig Eng. and Mech. Wks., 807 Garfield Ave., Jersey City, N. J.
- DENLINGER, Benjamin G. (Associate-Member, 1916), Keller Mech.

- Engraving Co., 70 Washington St., and *for mail*, 712 8th Ave., Brooklyn, N. Y.
- DENISON, Griswold (1918), Engr., Moses, Pope & Trainer, Inc., 366 5th Ave., New York, and *for mail*, 76 Hewes St., Brooklyn, N. Y.
- DENMAN, Burt J. (1913), Asst. Genl. Mgr., United Light & Rys. Co., 125 W. 3d St., and 2432 Fulton Ave., Davenport, Ia.
- DENNIS, Basil W. (1911; 1918), Asst. Supt. of Power, Ford Motor Co., Highland Park, and *for mail*, 84 Prentis St., Detroit, Mich.
- DENNIS, Frederick L. (Associate, 1916), U. S. Insp., U. S. Custom House, New York, and *for mail*, 252 Ovington Ave., Brooklyn, N. Y.
- DENNISON, Wilburn N. (1905), Intl. Fabricating Corp'n, Wilkes-Barre, Pa., and 99 John St., New York, N. Y.
- DENNY, Omer (1914), Cons. Engr., 58 Sutter St., San Francisco, and 2115 Cedar St., Berkeley, Cal.
- DENSE, John C. (Associate-Member, 1916), Ch. Draftsman, Willys-Morrow Co., S. Main St., and *for mail*, 558 Thompson St., Elmira, N. Y.
- DENSMORE, Edward D. (Associate, 1898), Engr., Arch., Densmore & LeClear, 88 Broad St., Boston, and 26 Downing Rd., Brookline, Mass.
- *DENT, John A. (1911; Associate-Member, 1916), Capt., Ord. Dept., N. A., A. P. O. 702, A. E. F., France.
- DENTON, James E. (1881), Life Member, Manager, 1889-1892; Prof. Emeritus of Engrg. Practice, Stevens Inst. of Tech., Hoboken, and 36 Ridgewood Rd., Maplewood, N. J.
- DENTON, Louis I. (1918), Light, Heat & Power Engr., Canadian Explosives, Ltd., and *for mail*, 2681 Hutchison St., Montreal, P. Q., Canada.
- DEPELER, John H. (Associate-Member, 1915), Chief Engr., Metal & Thermit Co., 92 Bishop St., Jersey City, and 825 Boulevard, E., Weehawken, N. J.
- DE PUY, C. E. (1891; 1903), Prof. Mch. Constr., Lewis Inst., Chicago, and *for mail*, 411 N. Elmwood Ave., Oak Park, Ill.
- DERBYSHIRE, Frederick W. (Associate, 1918), Owner & Mfr., Derbyshire Watchmakers' & Instrument Makers' Lathes, 157 High St., Waltham, Mass.
- DE REMER, J. G. (1913), Care of A. S. M. E., 29 W. 39th St., and Hotel Lorraine, New York, N. Y.
- DE REVERE, Arthur W. (Junior, 1914), Genl. Sales. Mgr., The Green Fuel Economizer Co., 90 West St., New York, and 155 E. 22nd St., Brooklyn, N. Y.
- DERR, Ralph (1917), Mech. Exper. Div. Engrg. Dept., E. I. du Pont de Nemours & Co., Rm. 853 du Pont Bldg., Wilmington, Del.
- DERROM, Donald L. (1918), Wks. Mgr., Munitions Dept., Winslow Bros. Co., 4600 W. Harrison St., and *for mail*, 170 E. Pearson St., Chicago, Ill.
- *DERRY, Gardner C. (Junior, 1917), Ensign, U. S. N. R. F., U. S. Nav. Academy, Annapolis, Md.
- DE TRAMPE, J. Adam C. L. (1904), 1703 Spruce St., Philadelphia, Pa.
- DETTE, Arthur E. L. (1916), Ch. Engr., Alan Wood, Iron & Steel Co., Conshohocken, and 220 E. Formance St., Norristown, Pa.
- DEVENS, Richard (1913), East. Mgr., Brown Hoisting Mch. Co., 50 Church St., and 230 W. 76th St., New York, N. Y.
- DEVERELL, Harry (1911), Pres., Deverell, Spencer & Co., 514-517 Garrett Bldg., and 3401 Carlisle Ave., Baltimore, Md.
- *DEVINE, Charles P. (Junior, 1916), Lieut., Air Div., 1st Army Corps,

- France, and *for mail*, J. P. Devine Co., 1372 Clinton St., also 120 Lexington Ave., Buffalo, N. Y.
- DEVINE, Joseph P. (1917), Pres., J. P. Devine Co., 1372 Clinton St., and 957 Delaware Ave., Buffalo, N. Y.
- *DE VISSER, John H. (Associate-Member, 1915), Maj., U. S. A., Ord. Dept., Supply Div., 6th & B Sts., Washington, D. C.; V. P. & Treas., The Conn-DeVisser Co., 1923-25 Ford Bldg., Detroit, Mich.
- DE VOGÉ, John D. (1918), Foreman of Planning Dept., Watervliet Arsenal, 1331 1st St., Watervliet, N. Y.
- DE VRIES, R. P. (Associate-Member, 1917), Asst. Res. Engr., Revere Sugar Refinery, Charlestown, Mass., Robert Sayre Kent, Inc., 50 Court St., Bklyn., and 170 E. 61st St., New York, N. Y.
- *DEW, Donald H. (Junior, 1916), Lieut., Engr., Camp Headquarters, Camp A. A. Humphreys, Va., and *for mail*, Canastota, N. Y.
- DeWOLF, John O. (1901), Mech., and Mill Engr., 19 Milk St., Boston, and 5 Edgehill Rd., Winchester, Mass.
- DeWOLF, Paul C. (Associate, 1915), Asst. Treas., Brown & Sharpe Mfg. Co., and 14 Cole Ave., Providence, R. I.
- *DeWOLF, Roger D. (1914), Lieut., U. S. N. N. V., U. S. S. Nevada, Care of Postmaster, New York, N. Y.
- DeWOLFE, Edward C. (1899; Associate, 1906), DeWolfe Catalog Serv., 608 S. Dearborn St., and 3561 Grand Blvd., Chicago, Ill.
- DEWSON, Edward H. (1889; 1898), Res. Engr., Westinghouse Air Brake Co.; Res. Engr., Westinghouse Traction Brake Co., 165 Broadway, and 622 W. 114th St., New York, N. Y.
- *DEXTER, Harris E. (Associate-Member, 1917), Capt., Supply Officer, 1st Gas Regt., A. E. F., France, and 410 Ashmont St., Dorchester, Mass.
- DE YOUNG, Herman (Junior, 1916), Foreman, Hopkins & Allen Arms Co., and *for mail*, 38 Oneco St., Norwich, Conn.
- DIAMANT, Sidney (1917), Pres., Diamant Tool & Mfg. Co., 164 Element St., and 91-97 Runyon St., Newark, N. J., and *for mail*, 1 W. 68th St., New York, N. Y.
- DIAMOND, George A. (1914), Wks. Mgr., Skandia Pacific Oil Eng. Co., 2893 Glascock St., and 16 Highland Ave., Oakland, Cal.
- DIBERT, Herbert M. (1918), Genl. Sales Mgr., W. & L. E. Gurley, 514 Fulton St., and "Hillcrest," Spring Ave., Troy, N. Y.
- DICKERMAN, Albert C. (1911), Sayles Finishing Plants, and *for mail*, 1011 Smithfield Ave., Saylesville, R. I.
- DICKERMAN, William C. (1899; 1907), V. P., Am. Car & Fdy. Co., 165 Broadway, New York, N. Y.
- *DICKERSON, H. S. (1912), Capt., U. S. R., Prof. Mech. Engrg., Practical Mechs., Sch. of Mines, Univ. of Missouri, Box 623, and Main and Seventh Sts., Rolla, Mo.
- DICKERSON, Walter H. (1916), Secy., Plant Mgr., Muskegon Extract Co., Muskegon, Mich.
- DICKEY, Arthur J. (Associate-Member, 1915), Genl. Mgr., C. A. Dunham Co., Ltd., 1535 Davenport Rd., and 131 Indian Rd., Toronto, Ont., Canada.
- *DICKEY, Ralph L. (Junior, 1915), 2nd Lieut., Ord. Dept., U. S. A., Trench Warfare Sect., Engrg. Div., Bldg. E., Washington, D. C., and *for mail*, 452 W. 22nd St., New York, N. Y.
- DICKINSON, Arthur R. (Associate, 1916), Mill Mgr., Lockwood, Greene & Co., 60 Federal St., Boston, and *for mail*, 37 Glenwood Ave., Newton Centre, Mass.
- DICKINSON, Edgar D. (1913), Asst. Engr., Steam Turbines, Genl. Elec. Co., Schenectady, N. Y.

- DICKINSON, William N. (1906), Civilian Engr., Ord. Dept., 7th & B. Sts., and 1919 Calvert St., N. W., Washington, D. C.
- *DICKSON, Charles H., Jr. (Junior, 1916), Capt., Ord. Dept., U. S. A., Aberdeen Proving Ground, Aberdeen, Md.
- DICKSON, John (1918), Supt., Motive Power, Spokane, Portland & Seattle Ry. Co., Oregon, Elec. Ry., United Rys. Co., Spokane Inland Empire R. R. Co., and *for mail*, 808 Pittock Blk., Portland, Ore.
- DIEDERICH, Herman (1904; 1913), Prof. Exper. Engrg., Sibley College, Cornell Univ., and Cayuga Heights Rd., Ithaca, N. Y.
- DIEFENDORF, Willis H. (1904), Ch. Engr., New Process Gear Corp'n, 500 Plum St., and *for mail*, 203 Summit Ave., Syracuse, N. Y.
- *DIEMER, Hugo (1904), Maj., Ord. Dept., U. S. A., Army Inspc. of Ord., Bethlehem Steel Co., South Bethlehem, Pa.
- DIEPENBROCK, Joseph F. (1912), Designing M. E., City of Chicago, 2001 City Hall Sq. Bldg., and *for mail*, 1848 Morse Ave., Rogers Park, Chicago, Ill.
- DIESCHER, Samuel E. (1915), Cons. Engr., S. Diescher & Sons, 2412 Farmers Bank Bldg., Pittsburgh, and 412 Ross St., Wilkesburg, Pa.
- DIETER, William (1917), Torpedo Engr., E. W. Bliss Co., 53rd St., and *for mail*, 509 Van Buren St., Brooklyn, N. Y.
- *DIETRICH, Fred C. (Junior, 1917), Machinist's Mate, 2nd Class, Nav. Coast Def. Res., Asst. Ch. Engr., Fageol Motors Co., 107th and Hollywood Blvd., and *for mail*, Elks' Club, 420 14th St., Oakland, Cal.
- DIETZ, Carl F. (1903; 1910), Sales Mgr., Norton Co., and *for mail*, 8 Westland St., Worcester, Mass.
- DILCHER, Harry J. (Junior, 1916), Asst. Supt., Cylinder Finishing Dept., Harrisburg Pipe & Pipe Bending Co., 10th & Herr Sts., and *for mail*, 99 N. 17th St., Harrisburg, Pa.
- DILL, Thomas C. (1913), Pres. T. C. Dill Mch. Co., Inc., Somerset and Mascher Sts., and 2834 N. 6th St., Philadelphia, Pa.
- DILLEY, Jesse R. (Junior, 1917), Corn Products Refining Co., Argo, and *for mail*, Riverside, Ill.
- DILLON, Edward L. (1909), M. E., Fairbanks, Morse & Co., 8th and Clark Ave., and 3867 Page Blvd., St. Louis, Mo.
- DILLON, Frederick N. (1902), Treas., D. M. Dillon Steam Boiler Wks., and 16 Prospect St., Fitchburg, Mass.
- DILLON, Robert E. (Junior, 1912), Asst. Supt., Generating Dept., Edison Elec. Ill. Co. of Boston, 39 Boylston St., Boston, Mass.
- *DILTS, Frank B. (1918), Capt., Ord. Dept., U. S. A., Watervliet Arsenal, Watervliet; Pres., Dilts Machine Wks., Inc., 58 N. 1st St. and 145 So. 1st St., Fulton, and *for mail*, Caldwell Apts., Troy, N. Y.
- DIMAN, George H. (1904), Cons. Engr., Wood Worsted Mill, Lawrence, and *for mail*, 62 Bailey St., South Lawrence, Mass.
- DIMAN, Walter G. (1909), Supt. of Power, Amoskeag Mfg. Co., and 717 Pine St., Manchester, N. H.
- DINGEE, W. W. (1886), Ret. M. E., 5811 Dorchester Ave., Chicago, Ill.
- DINKEL, Geo. (1890; 1897), Ch. Engr., Am. Sugar Refining Co., 117 Wall St., New York, N. Y., and *for mail*, 35 Highland Ave., Jersey City, N. J.
- DINKEY, A. C. (1902), Pres., Midvale Steel Co., 1614 Widener Bldg., Philadelphia, and Bryn Mawr, Pa.
- DINSMORE, Arthur T. (Junior, 1917), Supt., Klearfax Linen Rug Co., Duluth, and *for mail*, 4711 W. 6th St., West Duluth, Minn.
- DINWIDDIE, William W. (1915), Research Engr. Laboratory of Thomas A. Edison, and *for mail*, 32 Edisonia Terrace, West Orange, N. J.

- DIRKS, Henry B. (1907; Associate-Member, 1916), Asst. Prof. C. E., Princeton Univ., and *for mail*, 80 Jefferson Rd., Princeton, N. J.
- DISERENS, Paul (1908; 1916), Engr. of Tests, Worthington Pump and Mchy. Corpn., Laidlaw Wks., and *for mail*, Arigon Apts., Cincinnati, O.
- *DISMUKES, Albert R. (Junior, 1917), Co. "B," M. T. C., Unit No. 305, Camp Jesup, Atlanta, Ga.
- DISSEL, Theodore A. (1916), Pres., Cameron Appliance Co., 48 Waters Ave., Everett, and 56 Summit Rd., Medford, Mass.
- DISSTON, William D. (Junior, 1916), Chairman, Govt. Mem., Dept. of Labor, Federal Community Labor Bd.; Third V. P., H. Disston Sons, Inc., Tacony St., and Chestnut Hill St., Philadelphia, Pa.
- DIXON, Charles F. (1903; 1911), Engr. Westinghouse, Church Kerr & Co., 37 Wall St., New York, N. Y., and *for mail*, 112 Knickerbocker Rd., Englewood, N. J.
- DIXON, J. Alfred (1916), V. P., Safety Car Htg. & Ltg. Co., V. P., & Mgr., Pintsch Compressing Co., 2 Rector St., New York, N. Y., and 235 N. Walnut St., East Orange, N. J.
- DIXON, Wallace C. (Junior, 1916), Draftsman, New London Ship & Eng. Co., and *for mail*, Y. M. C. A., New London, Conn.
- DIVINE, Bradford H. (Associate, 1917), Pres., Divine Bros. Co., 102 Whitesboro St., Utica, N. Y.
- DIX, Horace P. (Associate, 1918), Sec'y & Genl. Mgr., Wilmarth & Morman Co., Grand Rapids, Mich.
- DIXON, Walter F. (1889; 1894), Life Member; Director, The Russian Singer Co., Stari Ploshad 8, Moscow, Russia, and *for mail*, Rm. 3503, Singer Bldg., New York, N. Y.
- DOAN, James B. (Associate, 1917), Pres., The American Tool Wks. Co., Pearl & Eggleston Ave., and *for mail*, 3852 Dakota Ave., Cincinnati, O.
- *DOAR, E. Marion, Jr. (Junior, 1918), Machinist's Mate, U. S. N., U. S. Steam Engr. Sch. for Officers, Stevens Inst. of Tech., Hoboken, N. J., and *for mail*, Georgetown, S. C.
- DOBLE, Ralph N. (Associate-Member, 1914), M. E., Pneu. Scale Corp., Ltd., Norfolk Downs, and 24 South St., Quincy, Mass.
- DOBLE, William A. (1891), Ch. Engr., Pelton Water Wheel Co., 350 Folsom St., and *for mail*, 190 Sea Cliff, San Francisco, Cal.
- DOBREE, Basil S. T. (1918), Ch. Engr., Panama Ice Co., New Orleans, La.
- DOBSON, Frank (1906), 319-321 E. 53d St., New York, N. Y.
- DOBSON, Wm. J. M. (1881), Life Member; Cons. Engr., 398 Adelphi St., Brooklyn, N. Y.
- DOBYNE, Stevenson A. (Associate-Member, 1915), Genl. Supt., Champion Shoe Mchy. Co., 3727 Forest Park Blvd., and 1476-A Shawmut Pl., St. Louis, Mo.
- DOCK, Herman (1889), M. E., Hotel Majestic, Philadelphia, Pa.
- DOD, Frederic H. (1917), Loco. Supt., Manila, R. R. Co., Manila, P. I.
- DODDS, Wm. E. (1891), Genl. Mgr., Stand. Cast Iron Pipe & Fdy. Co., Bristol, Pa.
- *DODGE, Albert (1913), Maj., 316th Infantry; Archt. & Engr., Shore & Dodge, 608 Chestnut St., and *for mail*, care of United Security Trust Co., 605 Chestnut St., Philadelphia, Pa.
- DODGE, Albert C. (1908), Genl. Supt., West Elec. Co., Norwalk House, Victoria Embankment, London, England.
- DODGE, Austin R. (1907), Engr., Genl. Elec. Co., Schenectady, N. Y.
- DODGE, Frederick H. (1914), Treas., The Milburn Wagon Co., and 2529 Monroe St., Toledo, O.

- DODGE, George W. (1918), Mech. Engr., Fred T. Leg & Co., Inc., Brunswick, Ga., and *for mail*, 118 Madison Ave., Holyoke, Mass.
- DODGE, Horace E. (1915), V. P., Genl. Mgr., Dodge Bros., Detroit, and Grosse Pointe, Mich.
- DODGE, James S. (Associate, 1916), Secy., Genl. Mgr., Sypho-Chem. Sprinkler Corp.; V. P., Automatic Sprinkler Co. of Amer., Ltd.; Dir., Universal Chem. Sprinkler Corp., Room 706, 123 William St., and 240 Riverside Drive, New York, N. Y.
- DODGE, John F. (1914), Partner, Dodge Bros., Detroit, Mich.
- DODGE, Kern (1902; 1912), Cons. Engr., Morris Bldg., Philadelphia and 5135 Pulaski Ave., Germantown, Philadelphia, Pa.
- *DODGE, Parker Van P. (Associate, 1915), Capt., Ord. Dept., U. S. A., Engrg. Div., Mch. Gun, Small Arms Sect., and *for mail*, 724 Ninth St., N. W., and The Ontario, Washington, D. C.
- DOELLING, Louis K. (1906), Expt. of Production, De La Vergne Mch. Co., foot E. 138th St., New York, and *for mail*, 26 Colonial Pl., New Rochelle.
- DOHERTY, Chas. H., Jr. (Junior, 1918), Asst. Testing Engr., E. I. duPont de Nemours & Co., Mech. Dept., Hopewell Wks., Hopewell, and *for mail*, 242 Du Pont Hotel, City Point, Va.
- DOHERTY, Henry L. (1903), Pres., Denver Gas & Elec. Co., 60 Wall St., New York, N. Y.
- *DOLAN, George F. (Junior, 1916), A. E. F., France; and *for mail*, 1108 Garden St., Hoboken, N. J.
- DOLE, Ira B. (Junior, 1914), Supt., Am. Creosoting Co., 402 E. Laurel Ave., Hugo, Okla.
- D'OLIER, William L. (1911), Pres., D'Olier Centrifugal Pump & Mch. Co., Morris Bldg., and 1533 Girard Ave., Philadelphia, Pa.
- *DOLL, William E. (Associate-Member, 1917), 2nd Lieut., Trans. Corp., 35th Engrs., Co. R., A. P. O. 735, Am. E. F., France; Sales Engr., Henry R. Worthington, 701 Laclede Gas Bldg., St. Louis, Mo., and *for mail*, 859 Emerson St., Denver, Colo.
- DOLLAR, William M. (1896; 1903), M. E., 58 Dun Bldg., Buffalo, and Springbrook, N. Y.
- DOMONOSKE, Arthur B. (1912; Associate-Member, 1914), Instr. in Mech. Engr., Univ. of Cal., 32 Mechanics Bldg., Berkeley, and Draftsman, C. L. Best Gas Tractor Co., San Leandro, Cal.
- *DONALDSON, Harold R. (Junior, 1913), 2nd Lieut., Reserve Military Aviator, U. S. A., Instr. of Flying Gosport System, Love Field, Dallas, Tex., and *for mail*, 250 Richmond Ave., Buffalo, N. Y.
- DONALDSON, Stuart A. (1909; Associate-Member, 1916), Asst. Engr., Westinghouse, Church, Kerr & Co., Inc., 37 Wall St., New York, N. Y., and *for mail*, 106 Donaldson Ave., Rutherford, N. J.
- *DONATH, William T. (Junior, 1916), Asst. to Supt. of Production, Remington Arms Union Metallic Cartridge Co., and *for mail*, E. D. E. O. C. N. A., Watertown Arsenal, Watertown, Mass.; also B Co., 304th Infantry, Camp Devens, Mass.
- DONNELLY, James A. (1911), Pres., and Genl. Mgr., Positive Differential System Co., 9 Murray St., New York, and 1508 Pacific St., Brooklyn, N. Y.
- DONNELLY, William T. (1903), Cons. Engr., 17 Battery Pl., New York, and 808 E. 18th St., Brooklyn, N. Y.
- DONOVAN, Philip L. (Junior, 1917), Pur. Agt., Bloedel Donovan Lumber Mills, and 2321 Lynn St., Bellingham, Wash.
- DONOVAN, William J. (Associate-Member, 1913), Supt., Ch. Engr., Hotel Manhattan, 17 E. 42d St., New York, N. Y.
- DONOVAN, William P. (1916), Genl. Supt., Gasoline Dept., Gypsy Oil Co., Clinton Bldg., and *for mail*, 1203 S. Cheyenne Ave., Tulsa, Okla.

- DOOLITTLE, Fred E. (1918), Supt., Knox Motors Co., Wilbraham Rd., Springfield, Mass.
- DOOLITTLE, Harold L. (1910; 1916), Asst. Constr. Engr., So. Cal. Edison Co., 329 San Fernando Bldg., Los Angeles, and *for mail*, 127 N. Catalina Ave., Pasadena, Cal.
- DOOLITTLE, Warren P. (1912; Associate-Member, 1914), Ch. Designer, Shoe Hardware Div., U. S. Rubber Co., Waterbury, and *for mail*, 130 S. Main St., Naugatuck, Conn.
- DORER, Oscar H. (Junior, 1912), Asst. Centrifugal Engr., Henry R. Worthington, Harrison, and *for mail*, 37 Columbia Ave., Newark, N. J.
- DORMAN, Edson R. (1918), Engr., Contract Wk., Greenfield Tap & Die Corp., Greenfield, and *for mail*, 87 Converse St., Longmeadow, Mass.
- DORMAN, Neal W. (Junior, 1913), Mch. Designer, Toledo Mch. & Tool Co., Dorr and Hastings St., Toledo, and *for mail*, R. F. D. 9, West Toledo, O.
- DORNBIRER, James G. (1913), 548 E. 112th St., Cleveland, O.
- D'ORNELLAS, T. V. (Associate, 1907), Cons. Engr., 15 Calle de Lima, Chorrillos, Peru, South America.
- DORNER, Frederick H. (1907; 1911), M. E., 743 Wells Bldg., and 716 Prospect Ave., Milwaukee, Wis.
- DORON, William H. (Associate-Member, 1916), Reserve Engr., The Barrett Co., 17 Battery Pl., New York, N. Y., and 208 31st St., Wood-cliff, N. J.
- *DORRANCE, George W. (Junior, 1917), 2nd Lieut., Avia. Corps, and 9 Courtlandt Pl., Houston, Tex.
- DORSEY, Walter A. (1917), Engr. and Metallurgist, The Bonney Floyd Co., and *for mail*, 925 S. 22nd St., Columbus, O.
- DORWARD, David, Jr. (1910), Cons. Engr., 16 California St., San Francisco, and 5900 Elsie Ave., Oakland, Cal.
- DOTEN, Wm. L. (1917), M. E., Sturtevant Mill Co., Harrison Sq., and *for mail*, 80 Radcliffe St., Dorchester, Mass.
- *DOTY, Paul (1891; 1904), Maj., Corps of Engrs., General Staff, War Department, State, War & Navy Bldg., Washington, D. C.
- *DOUD, Willard (1910), Lieut. (j.g.), U. S. N. R. F., C. E., Pub. Wks. Bldg., U. S. Nav. Training Sta., Great Lakes, Ill.
- *DOUGHTY, John H. (1914), Capt., Tank Corps, U. S. A., Wareham, Dorset, England, A. E. F.; M. E., Lehigh-Wilkesbarre Coal Co., Wilkesbarre, Pa.
- DOUGHTY, Wm. F. (1899; 1915), M. E., 17 Beech St., Flushing, L. I., N. Y.
- DOUGLAS, Courtney C. (1904; 1908; 1913), Com. Engr., 1016 Monadnock Bldg., Chicago, and *for mail*, 800 N. Elmwood Ave., Oak Park, Ill.
- DOUGLAS, Edwin R. (1912), Cons. Specialist in Factory Management and Costs, Philadelphia, and *for mail*, Glenside, Pa.
- *DOUGLAS, Morris D. (Junior, 1913), 1st Lieut., Ord. Dept., U. S. R., Inspec. Div., Grabler Mfg. Co., Cleveland, O.
- DOURSON, Louis A. (Associate-Member, 1916), 2700 Alice St., Cincinnati, O.
- DOVE-SMITH, Joseph (1918), Pres., Dove-Smith & Son, Cor., 24th St. & Cayuga Ave., and *for mail*, 2255 Niagara Ave., Niagara Falls, N. Y.
- DOW, Alex (1895), Vice-President, 1906-1908; Pres., Genl. Mgr., The Detroit Edison Co., 18 Washington Ave., and 50 Garfield Ave., Detroit, Mich.
- DOW, Benjamin W. (1911; Associate-Member, 1917), Dept. of Indus-

- trial Economy, Eastman Kodak Co., Kodak Park Wks., and *for mail*, 1078 Dewey Ave., Rochester, N. Y.
- DOW, Herbert W. (1917), Sales Mgr., Norberg Mfg. Co., and *for mail*, 2915 Wells St., Milwaukee, Wis.
- DOWD, Bernard J. (1913; 1916), Factory Supt., Royal Typewriter Co., Inc., 150 New Park Ave., and *for mail*, 43 Beacon St., Hartford, Conn.
- DOWD, John H. (Associate-Member, 1914), Asst. to Mfg. Engr., Winchester Repeating Fire Arms Co., 275 Winchester Ave., and *for mail*, 104 Lake Pl., New Haven, Conn.
- DOWD, Wyllys E., Jr. (1911), 111 Broadway, New York, N. Y.
- DOWELL, H. Lawrence (Junior, 1917), Instr. M. E., Univ. of Pa., Philadelphia, Pa., and *for mail*, 205 E. Madison Ave., Collingswood, N. J.
- DOWNE, Henry S. (1886), Administrator, Compagnie Nationale des Radiateurs, 149 Blvd. Haussmann, Paris, France.
- *DOWNES, Nate W. (1911; Associate-Member, 1916), 1st Lieut. Engrs. Hdys., West Cantonment, Fort Benjamin Harrison, Ind.
- DOWNS, Charles L. (Associate-Member, 1918), Link Belt Co., Philadelphia, Pa.
- DOWNS, Leslie B. (Associate-Member, 1918), Asst. Ch. Engr., Epping-Carpenter Pump Co., 43rd St., and *for mail*, 1021 Jancey St., E. E., Pittsburgh, Pa.
- DOWNTON, Charles E. (1918), Employment Mgr., The Atlantic Corp., and *for mail*, 351 Middle St., Portsmouth, N. H.
- DOWSON, Harry R. (1916; Associate-Member, 1917), Designer & Checker, Lewis Fdy. & Mch. Co., Groveton, and *for mail*, 2916 Mattern Ave., Dormont, Pittsburgh, Pa.
- DOWST, F. Butland (1892), West Roxbury, Boston, Mass., and *for mail*, Macdonald, Fayette Co., West Virginia.
- DOXSEY, Arthur M. (Junior, 1918), Asst. Engr. of Tests, Hull Div., Navy Yard, New York, and *for mail*, 499 Merick Rd., Lynbrook, N. Y.
- DOYING, William A. E. (1907), Inspg. Engr., The Panama Canal, 1709 G. St., N. W., and 3220 17th St., Washington, D. C.
- DOYLE, Bartholomew M. (Associate-Member, 1917), Ch. Engr., Conn. Light & Power Co., Waterbury Turbine Sta., and *for mail*, 301 Willow St., Waterbury, Conn.
- DOYLE, Frederick F. (Associate-Member, 1918), Engr., Midway Gas Co., P. O. Box N, Taft, Cal.
- DOYLE, Joseph A. (1914; Associate, 1917), W. S. Rockwell Co., 50 Church St., New York, N. Y.
- *DOYLE, Martin A. (1915), 2nd Lieut. of Engrs., U. S. Coast Guard Cutter "Penrose," and 1023 N. Spring, Pensacola, Fla.
- DOYLE, William L. H. (Junior, 1916), De La Vergne Mch. Co., and *for mail*, 1640 University Ave., New York, N. Y.
- DRAKE, Charles F. (1914), The Babcock & Wilcox Co., 1207 Marquette Bldg., Chicago, and Highland Park, Ill.
- *DRAKE, Charles L. (Junior, 1917), 1st Lieut., Ord. Dept., U. S. A., Sandy Hook Proving Ground, Fort Hancock, N. J.; Sales Engr., S. K. F. Ball Bearing Co., Hartford, Conn., and 72 E. 82nd St., New York, N. Y.
- DRAKE, Robert W. (Associate-Member, 1917), Steam and E. E., Internatl. Harvester Co. of N. J., 26th & Western Ave., and *for mail*, 2755 W. Jackson Blvd., Chicago, Ill.
- DRAKE, Warren C. (1917), Partner, Sleicher & Drake, Power Plant Equip., 5 Beekman St., New York, and *for mail*, 26 Jefferson St., Inwood, N. Y.

- DRATZ, Paul A. (1918), Chicago Rep., Whiting Fdy. Equip. Co. of Harvey, Ill., 1245-140 S. Dearborn St., Chicago, Ill.
- DRAVO, Geo. P. (1899; 1906), Pres. Dravo Co., 1195 30th St., and Sta. C. R. N. 6, Box 331, Milwaukee, Wis.
- DREFFEIN, Henry A. (1913), Pres., Flinn & Dreffein Co., 1403 Manhattan Bldg., Chicago, and 310 S. Lombard Ave., Oak Park, Ill.
- DRESES, Henry (1914), Partner & Mgr., Dreses Mch. Tool Co., 227 W. McMicken Ave., Cincinnati, and 259 Greendale Ave., Clifton, Cincinnati, O.
- *DRESSLER, L. Richard (Junior, 1917), 1st Lieut., Ord. Dept., Inspection Div., Chicago Dist. Ord. Office, 155 E. Superior St., Chicago, Ill.
- *DREW, William N. (Junior, 1914), 2nd Lieut. 323rd F. A., and *for mail*, University Club, Akron, O.
- DREWETT, William A. (1888), V. P. & Genl. Mgr., Providence Engrg. Corp., and *for mail*, 65 Medway St., Providence, R. I.
- DREXILIUS, George W. (Associate, 1918), Mgr., The Fairbanks Co., 2217-19 2nd Ave., and Richmond Apts., Birmingham, Ala.
- DREYER, Elmer J. (Junior, 1916), Asst. Mgr., Power Specialties Dept., H. W. Johns-Manville Co., 1737 S. Michigan Ave., and *for mail*, 7938 Brandon Ave., Chicago, Ill.
- DREYFUS, Edwin D. (1905; 1911), M. E., 1200 B. F. Jones Law Bldg., Pittsburgh, Pa.
- DRIVER, Arthur (Junior, 1913), M. E., King Sewing Mch. Co., and *for mail*, 51 Admiral Rd., Buffalo, N. Y.
- DROBISCH, Raymond W. (Junior, 1917), Aero, Designer, Goodyear Tire & Rubber Co., and *for mail*, 532 E. Market St., Akron, O.
- DROSS, Philip (Associate-Member, 1917), V. P., Gen. Mgr., The Marty Foundry Co., Inc., P. O. 757 and 2709 8th St., Meridian, Miss.
- DRUMMOND, Robert S. (Associate, 1917), Genl. Mgr., Wilson Welder & Metals Co., Inc., 2 Rector St., and Hotel McAlpin, New York, N. Y.
- DU BARRY, Ed. G. (Junior, 1910), Draftsman, Wabash Pittsburgh Terminal Ry. Co., Rook, and *for mail*, 5860 Marlborough St., Pittsburgh, Pa.
- DU BOSQUE, F. L. (1892), Supt., Floating Equipment, Pa. R. R., Pa. Sta., New York, and Great Neck Station, L. I., N. Y.
- DU BRUL, Ernest F. (Associate, 1900), Pres., Pyro Clay Products Co., 507 E. Pearl St., and 835 Beecher St., Cincinnati, O.
- DUCAS, Charles (Junior, 1903), Cons. Engr., 30 E. 42nd St., and 701 W. 178 St., New York, N. Y.
- DU COMB, William C., Jr. (1913), Prop., W. C. Du Comb, Jr., Kerr Bldg., Fort & Beaubien Sts., and 3 Linsdale Ave., Detroit, Mich.
- DUCOMMUN, Edwd. (1898; 1903), Constr. Engr., Am. Sugar Ref. Co., 117 Wall St., and *for mail*, 179 Harrison Ave., Jersey City, N. J.
- *DUDA, Wentzel R. (Junior, 1918), 2nd Lieut., Ord. Dept., 200 Brighton Rd., Bellevue, Pa.
- DUDEN, Emil G. (Junior, 1907), Ch. Engr., W. B. Scaife & Sons Co., Oakmont, Pa.
- DUDLEY, Edward F. (Associate-Member, 1918), M. E., & Designer, Miehl Printing Press & Mfg. Co., 14th & Robey Sts., Chicago, and *for mail*, 333 S. Harvey Ave., Oak Park, Ill.
- DUDLEY, Samuel W. (1904; 1916), Ch. Engr., Westinghouse Air Brake Co., Wilmerding, and *for mail*, 415 Locust St., Edgewood Park, Pittsburgh, Pa.
- DUFF, Howard (Associate-Member, 1915), Supt. of Power Div., Lehigh Navigation Elec. Co., 802 Hamilton St., and *for mail*, 114 S. 17th St., Allentown, Pa.

- *DUFFY, Frank J. (1917), Lieut. Col., 103rd Engrs., Camp Hancock, Augusta, Ga.
- DUFFY, Owen (Associate, 1918), Supt. & Ch. Engr., In charge of Insular Cold Storage & Ice Plant, Manila, P. I.
- DUFFY, Ralph E. (1918), Engr., Pub. Serv. Comm., Jefferson City, Mo.
- DUFTY, Arthur (1915), M. E., Supt. of Bldgs., Purdue Univ., Lafayette, and 861 N. Main St., West Lafayette, Ind.
- DUGDALE, Richard M. (1916), Supvr., Remington Arms & Ammunition Co., and *for mail*, Steele St., Mohawk, N. Y.
- DULL, Raymond W. (1908), Pres., The Raymond W. Dull Co., 1910 Conway Bldg., Chicago, and *for mail*, 133 S. 6th Ave., La Grange, Ill.
- DU MOULIN, Walter L. (1911; 1913; 1917), Supt. of Power & Mchy., New Cornelia Copper Co., Ajo, Ariz.
- DUNBAR, Harold F. (1916), M. E., Keith Paper Co., Turners Falls, Mass.
- DUNBAR, Howard W. (1917), Asst. Ch. Engr., Norton Grinding Co., and *for mail*, 38 Chamberlain Parkway, Worcester, Mass.
- DUNBAR, James H. (1907), Ch. Engr., The Grasselli Chem. Co., Guardian Bldg., and 2062 E. 90th St., Cleveland, O.
- DUNBAR, Robert H. (Junior, 1917), Providence Engrg. Corp., Providence, R. I.
- DUNBAR, William O. (1904), Asst. Engr., Test Dept., Pa. R. R., and 1216 13th St., Altoona, Pa.
- DUNCAN, Albert G. (1909), Treas., Harmony Mills, 77 Franklin St., P. O. Box 1895, Boston, Mass.
- *DUNCAN, George W. (Junior, 1918), Prvt., Hdqrs., 26th Engrs., A. E. F., and 49 Alma St., San Francisco, Cal.
- DUNCAN, Harold M. (1917), Managing Dir., Lanston Monotype Corp., Ltd., Salfords Wks., Surrey, 43 & 43A Fetter Lane, London, E. C., England.
- DUNCAN, Harry L. (1913), Pat. Lawyer, Cons. Engr., Rms. 2407-2408, 55 Liberty St., New York, N. Y., and Mahwah, N. J.
- *DUNCAN, John C. (1914), Maj., U. M. C., and *for mail*, 3121 Mt. Pleasant St., N. W., Washington, D. C.
- DUNCAN, Joseph B. (Junior, 1918), Industrial Engr., New England Westinghouse Co., and *for mail*, 18 Arlington St., Chicopee Falls, Mass.
- DUNCAN, Lindsay (1912), M. E., Nev. Consld. Copper Co., McGill, Nev.
- DUNCAN, William M. (1911), V. P., Ill. Stoker Co., Alton, Ill.
- *DUNDAS, William A. (Junior, 1918), Prvt., 2nd Battn., Detach. "C," Edgewood Arsenal, Edgewood Plant, Edgewood, Md.
- DUNHAM, Byron W. (1914), Edgewater Co., Oakmont, Allegheny Co., Pa.
- DUNHAM, George W. (1908), V. P., The Hilitor Corp., 111 Broadway, and Delta Kappa Epsilon Club, 30 W. 44th St., New York, N. Y.
- DUNHAM, Walter E. (1914), Asst. to Genl. Supt. M. P. and Car Depts., Chicago & North West Ry. Co., Kinzie and N. Keeler Sts., and 5825 Midway Park, Chicago, Ill.
- DUNKIN, William Van (1909), Ch. Draftsman, The Murray Co., and *for mail*, 174 E. Pine St., Atlanta, Ga.
- DUNKLE, H. Edw. (1907; 1915), M. E., Semet-Solvay Co., and *for mail*, Solvay Club House, Syracuse, N. Y.
- DUNLAP, George W. (1911), Supt. of Power and Equip., Internatl. Ry. Co., Cold Springs Shops, and 743 Amherst St., Buffalo, N. Y.
- DUNLAP, John R. (Associate, 1918), Editor & Publisher, "Industrial

- Management—The Engrg. Magazine," 6 E. 39th St., New York, N. Y.
- DUNLEVY, D. W. (1916), V. P., in charge of Mfg., Colonial Steel Co., Keystone Bldg., and 5563 Hampton St., Pittsburg, Pa.
- DUNLOP, William C. (1914), Operating Mgr., Barclay, Parsons & Klapp, 60 Wall St., New York, and 95 Shonnard Pl., Yonkers, N. Y.
- DUNN, Chas. W. (1897), Asst. Mgr., Robert W. Hunt & Co., 90 West St., New York, and *for mail*, 372 E. 19th St., Brooklyn, N. Y.
- DUNN, Edward L. (1913), E. E., Plant Sec., Ord., 7th & B Sts., Washington, D. C., and *for mail*, College Park, Md.
- DUNN, Gano (1911), Life Member; Pres., J. G. White Engrg. Corp., 43 Exch. Pl., and *for mail*, 117 W. 58th St., New York, N. Y.
- DUNN, J. Jay (1917), Mgr., Natnl. Tube Co., and 200 Fountain Ave., Ellwood City, Pa.
- DUNN, Kingsley G. (Associate, 1907), V. P., Hunt, Mirk & Co., Inc., 141 Second St., San Francisco, Cal.
- DUNN, Lester S. (Junior, 1916), 279 Paulison Ave., Passaic, N. J.
- DUNN, William R. (1910), Wks. Mgr., Vulcanite Portland Cement Co., Easton, Pa., and Philipsburg, N. J.
- *DUNTON, Philip R. (Associate-Member, 1915), Sgt., Co., "A," 334th Battn., T. C., Camp Colt, Gettysburg, Pa., and 400 No. 2nd, Ponca City, Okla.
- DU PONT, Coleman (1906), Wilmington, Del.
- DU PRIEST, John R. (1911), Prof., Steam and Gas Eng. Design, Rensselaer Poly. Inst., Troy, N. Y.
- DURAM, Arthur E. (1916), Mgr., Combustion Engrg. Corp., 343 Dearborn St., and 2024 E. 72nd St., Chicago, Ill.
- DURAND, Nelson C. (1889), V. P., Div. Mgr., Thomas A. Edison, Inc., Orange, and 380 Roseville Ave., Newark, N. J.
- DURAND, Wm. F. (1883), Vice-President, 1911–1913; Stanford University, Cal.
- DURANT, Aldrich (1906; 1913), Ch. Engr., Mac Arthur Bros. Co., 120 Broadway, New York, N. Y.
- *DURBAN, Thomas E. (1912), Maj., Ord. Dept., U. S. A., P. O. Box 385, Erie, Pa.
- DURBIN, Fletcher M. (1916), Dir., Asst. Genl. Mgr., Sefton Mfg. Co., 1301 W. 35th St., and 1449 Astor St., Chicago, Ill.
- DURFEE, Walter C. (1908; 1913), Cons. and Mfg. Chem., Winthrop C. Durfee, 516 Atlantic Ave., Boston, and *for mail*, 8 Parley Vale, Jamaica Plain, Mass.
- *DURLEY, Richard J. (1899), Capt., Imperial Ministry of Munitions, Div. of Gauges & Standards, Plaza Bldg., Ottawa, Ont., Canada.
- DURR, George E. (Associate-Member, 1917), Engr., 2200 Canal St., New Orleans, La.
- DURR, Herbert A. (1916), Cons. Engr., M. E., Schmidt, Garden & Martin, 104 S. Michigan Ave., and 1417 E. 56th St., Chicago, Ill.
- DURSIN, Henry, Jr. (Junior, 1918), Asst. Mgr., Lafayette Worsted Co., and *for mail*, 423 S. Main St., Woonsocket, R. I.
- DURWARD, E. Stanley (Associate-Member, 1915), Field Supt., Shell Co. of Cal., Oil Fields, Cal.
- *DURYEE, Andrew B. (1916; Associate-Member, 1917), 1st Lieut., Air Serv., (Aeronautics), U. S. A., Cons. Engr., and *for mail*, 39 Liberty Ave., New Rochelle, N. Y.
- DUSENBERY, Henry (Associate-Member, 1916), Sales Engr., Thos. A. Ford Co., Inc., 407 Broome St., New York, N. Y., and *for mail*, 22 Fairmont Terraco, Jersey City, N. J.

- DUSOSSOIT, Octave (Associate, 1911), Taylor Instrument Co., Rochester, N. Y., and 45 Auburn St., Brookline, Mass.
- *DUVENICK, Frank B. (Junior, 1913), Master Sig. Electrician, 322 Fld. Sig. Battalion, A. E. F., France, and *for mail*, Carmel, Cal.
- DUVIC, Frank R. (Junior, 1916), Overseer, U. S. Engr. Office, 519 Canal St., and 323 Morgan St., New Orleans, La.
- DU VILLARD, Henry A. (1884), M. E., 173 George St., East Side Sta., Providence, R. I.
- Du VIVIER, Ernest H. (1914), 30 Church Street, New York, N. Y.
- DWIGHT, Ralph W. (Junior, 1913), Equip. Engr., Mch. and Tool Branch, Maintenance Div., Motor Transport Corps, and *for mail*, 314 Taylor St., N. W., Washington, D. C.
- DWYER, Emmet (Junior, 1907), V. P., Factory Mgr., The Mich. Stove Co., and 1022 Jefferson Ave., Detroit, Mich.
- DYE, Ira W. (Associate-Member, 1913), Asst. Genl. Mgr., Weir Frog Co., and *for mail*, 4525 Floral Ave., Norwood, O.
- DYER, Frank L. (Associate, 1901), Expt. in Patent Causes, 55 Liberty St., New York, N. Y., and Head of Parkhurst Pl., Montclair, N. J.
- DYER, Percy A. (Associate-Member, 1916), Rm. 2009, 120 Broadway, New York, and *for mail*, 504 8th St., Brooklyn, N. Y.
- DYER, Robert A. (1908), 2 Sheridan St., Auburn, N. Y.
- DYER, Robert M. (1892; 1904), V. P., Treas., Puget Sound Bridge & Dredging Co., 811 Central Bldg., and 3002 Cascadia Ave., Seattle, Wash.
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- ERB, Edmund M. (Associate-Member, 1918), Mgr., Merit Mch. Mfg. Corp'n., 465 Greenwich St., New York, N. Y.
- ERBACH, William L. (1918), Vice-Pres. & Mgr., Rietbrock Land & Lumber Co., Athens, Wis.
- ERDELL, William E. (1914), Pres., Penn-Allen Cement Co., Allentown, Pa.
- ERICKSON, John (Associate-Member, 1918), Elec. & Mech. Engr., Engbergs' Elec. & Mech. Wks., and *for mail*, 712 Jones St., St. Joseph, Mich.
- *ERICSON, Edward O. (Junior, 1913), 1st Lieut., Ord. Dept., E. I. du Pont de Nemours & Co., Pompton Lakes, and *for mail*, Helmetta, N. J.
- ERICSON, John E. (1909), City Engr., City of Chicago, 402 City Hall, and 848 Lakeside Pl., Chicago, Ill.
- ERLANDSON, E. W. (Junior, 1912), Managing Engr., Fan Dept., Consltd. Engrg. Co., and *for mail*, 24 Union St., Watertown, Mass.
- ERLENKOTTER, Walter (1912; Associate-Member, 1916); M. E., Secaw Chem. Co., Chancellor Ave., Irvington, and *for mail*, 531 River St., Hoboken, N. J.
- ERNSBERGER, Millard C. (1910), Prof. M. E., Univ. of Rochester, and 12 Sibley Place, Rochester, N. Y.
- ERNST, Alfred F. (1909; 1914), Ch. Engr., Brighton Mills, and Allwood Rd., Allwood, R. F. D. 1, Passaic, N. J.
- ERRINGTON, Franklin A. (1906), Cons. M. E., Mfr. Mch. Tools, 39 Cortlandt St., New York; Lab., 24 Norwood Ave., and *for mail*, 31 Townsend Ave., Stapleton, S. I., N. Y.
- ERSKINE, John S. (Junior, 1912), Asst. Ch. Engr., Gas Power Eng. Dept., Intl. Harvester Corp'n., 2600 W. 31st Blvd., and *for mail*, 337 S. Central Park Ave., Chicago, Ill.
- ERVIN, John F. (Associate-Member, 1914), Plant Mgr., Michigan Motor Castings Co., and 2 Eldridge Court, Flint, Mich.
- ESHELMAN, Clarence M. (1918), Serv. Engr., Mgr., Sev. Dept., Cameron Mch. Co., 61 Poplar St., Brooklyn, N. Y., and *for mail*, Cresskill, N. J.
- ESHERICK, George, Jr. (Junior, 1915), M. E. (In Charge Boiler Plant

- Operation), Midvale Steel & Ord. Co., Nicetown, and *for mail*, 6503 Musgrave St., Philadelphia, Pa.
- ESHERICK, Joseph (Junior, 1914), Mgr., The Baker-Dunbar-Allen Co., 809 Stock Exchange Bldg., and 161 W. Durham St., Philadelphia, Pa.
- ESSELSTYN, Horace H. (1909), Resident Engr., U. S. S. B., E. F. C., Hog Island, Pa.; Commissioner of Public Works, City Hall, and *for mail*, 414 Chicago Boulevard, Detroit, Mich.
- *ESTABROOK, Charles B. (Junior, 1918), Capt., Ord. R. C., Care of Chief Ord. Officer, A. E. F., France, and 405 W. 2nd St., Dayton, O.
- ESTABROOK, Harry M. (1913), Ry. Equip. Sec., Rm. 105, War Industries Bd., Washington, D. C.
- *ESTABROOK, Mansfield (Junior, 1903), Capt., O. D., U. S. A., Niles-Bement-Pond Co., 111 Broadway, New York, N. Y.
- ESTEP, H. Cole (Junior, 1914), Editorial Dir., The Penton Publishing Co., and 11414 Mayfield Road, Cleveland, O.
- ESTES, William W. (1891; 1904), Life Member; Asst. to M. E., Genl. Fire Extinguisher Co., 275 W. Exchange St., and *for mail*, 245 Waterman St., East Side Sta., Providence, R. I.
- ESTLER, Harry S. (Associate-Member, 1917), M. E., The Costimeter Co., 130 Montcalm St., and *for mail*, 133 Henry St., Detroit, Mich.
- ESTRADA, E. Duque (1893), Ch. Engr., Div. of Shops and Mch., Ministry of Pub. Wks., Cuban Government, Havana, Cuba.
- ESTRADA, Rafael (Associate-Member, 1916), Engr., Cuba Cane Sugar Corp., 112 Wall St., New York, N. Y., and Havana, also Central Jagueyal, Province de Camaguey, Cuba.
- ESTWING, Ernest O. (Associate-Member, 1917), Prod. Mgr., The Free Sewing Mach. Co., and *for mail*, 1226 E. State St., Rockford, Ill.
- ETTENDER, Robert L. (1918), Cons. M. E., So. Ry. System, 1300 Pennsylvania Ave., Washington, D. C.
- EUSTON, Edward R. (Associate, 1913), Second V. P., Treadwell Engrg. Co., 140 Cedar St., New York, and 54 Linden Ave., Brooklyn, N. Y.
- *EVANS, Ben R. (Junior, 1917), Machinist's Mate, U. S. Navy, and *for mail*, care of Mr. D. M. Evans, Earlington, Ky.
- EVANS, Bernard C. (Associate-Member, 1917), Designer, Genl. Elec. Wks., and *for mail*, 536 Horne Ave., Ft. Wayne, Ind.
- EVANS, Cadwallader, Jr. (1913), Genl. Mgr., Intl. Salt Co., Retsof, N. Y., and 1630 Monroe Ave., Scranton, Pa.
- EVANS, D. F. (Associate-Member, 1916), Supt. of Planning Dept., Hopewell Wks., du Pont Co., and *for mail*, 2 Ramsey Ave., City Point, Va.
- EVANS, Frederick H. (1918), Text Writer, War Dept., Comm. on Education & Spec. Training, Old Land Office Bldg., Washington, D. C., and *for mail*, 1817 Lawrence Ave., Toledo, O.
- *EVANS, George A. (Associate-Member, 1917), Lieut. (j. g.), U. S. N. R. F., Mare Island Navy Yard, Vallejo, Cal., and *for mail*, 312 N. 7th St., Newark, N. J.
- EVANS, George B. (1914), Genl. Mgr., The Laclede Gas Light Co., 1017 Oliver St., and 4130 McPherson Ave., St. Louis, Mo.
- EVANS, Herbert H. (Associate-Member, 1918), Dist. Sales Mgr., Coatesville Boiler Wks., Rm. 809, Morris Bldg., 1421 Chestnut St., and *for mail*, 6213 Jefferson St., Philadelphia, Pa.
- EVANS, Herbert W. (Associate-Member, 1917), Dist. Mgr., Reeves Pulley Co., 211 Center St., New York, and *for mail*, 1206 Pacific St., Brooklyn, N. Y.
- EVANS, Holden A. (1913), Pres., The Baltimore Dry Docks & Ship Bldg. Co., Locust Point, Baltimore, and 17 Somerset Rd., Rowland Park, Baltimore, Md.
- EVANS, Howard W. (1913), 245 W. 55th St., New York, N. Y.

- EVANS, Leigh R. (1918), Vice-Pres. & Factory Mgr., Cyclemotor Corp., 149 Cady St., and *for mail*, 471 Arnett Blvd., Rochester, N. Y.
- *EVANS, Lynn B. (Junior, 1917), Lieut., U. S. N. R. F., Office of Nav. Inspec. of Ord., Studebaker Corp., No. 1, and *for mail*, University Club, Detroit, Mich.
- *EVANS, Melvin J. (Junior, 1917), 2nd Lieut., Ord. R. C., Savanna Proving Ground, Savanna, Ill.
- EVANS, Powell (1917), Pres., Engrg. Head, Merchant & Evans Co., Globe Aut. Sprinkler Co., Schuylkill Ry. Co., Schuylkill Elec. Co., 2035 Washington Ave., Philadelphia, Pa.
- EVANS, Victor W. (Associate-Member, 1916), Mfgs. Agt., Rep., 360 W. 116th St., New York, N. Y.
- EVANS, Wellington F. (1912), V. P., Genl. Mgr., Stand. Screw Products Co., Bellevue and Warren Aves., Detroit, and Southfield Ave., Birmingham, Mich.
- EVANS, William A. (1913), The Whitlock Coil Pipe Co., 149 Broadway, New York, N. Y., and 4 Inwood Place, Maplewood, N. J.
- EVELETH, Charles E. (1914), Supervisor of Tests, U. S. Naval Exp. Sta., New London, Conn.; Asst. Engr., Ry. Dept., Genl. Elec. Co., and *for mail*, 111 Parkwood Blvd., Schenectady, N. Y.
- EVERETT, Charles J. (1916), Treas., Revolute Mch. Co., 417 E. 93rd St., and 2010 7th Ave., New York, N. Y.
- *EVERETT, Chester M. (1917), Capt., Sanitary Corps, N. A., Fort Oglethorpe, Ga.; Mem. of Firm, Hazen, Whipple & Fuller, 30 E. 42nd St., New York, and 87 Warburton Ave., Yonkers, N. Y.
- EVERETT, Russel W. (Junior, 1918), M. E., Alberger Pump & Condenser Co., Rm. 710, 140 Cedar St., New York, N. Y., and *for mail*, 107 Halsey St., Newark, N. J.
- *EVERITT, Isaac D. (Junior, 1918), Lieut., Ord., U. S. A., Aberdeen Proving Ground, Aberdeen, Md., and *for mail*, 400 Moore St., Hackettstown, N. J.
- EWART, Arthur F. (Associate-Member, 1917), Ch. Draftsman, Honolulu Iron Wks. Co., and *for mail*, 2370 Nunanu Ave., Honolulu, Hawaii.
- EWEN, John M. (1887), Care of French Am. Constructive Corp., 81 Rue Saint-Lazare, Paris, France.
- EXTON, Alfred H. (1918), Ch. Engr., Amer. Manganese Steel Co., Chicago Heights, Ill.
- EYERMANN, Peter (1908), Genl. Supt., Austrian Steel Industry Co., Brux, Bohemia, Austria.
- EYNON, Thomas M. (1902), Pres., Eynon-Evans Mfg. Co., 15th and Clearfield Sts., and Manufacturers' Club, Broad and Walnut Sts., Philadelphia, Pa.
- *EYRE, Thomas T. (1915), Capt., U. S. A., Co. "E," 113th Engrs., 38th Div., A. E. F., France via New York.
- EYRE, John J. (Associate-Member, 1917), Factory Engr., Sturtevant Aeroplane Co., Boston, and *for mail*, 161 Lowell St., Somerville, Mass.
- *FABENS, Andrew L. (Junior, 1911), Capt., Ord. Dept., U. S. A., 1748 Kilbourne Pl., N. W., Washington, D. C.
- FABER, John P. (1908; 1917), Ch. Engr., Ransome Concrete Mchy. Co., and 805 Washington Ave., Dunellen, N. J.
- FAIG, John T. (1897; 1905), Pres., Ohio Mech. Inst., and 3345 Whitfield Ave., Cincinnati, O.
- FAILE, E. H. (1907; Associate-Member, 1915), Progress Engr., Emergency Fleet Corp., 140 N. Broad St., Philadelphia, and 120 Chestnut Ave., Narberth, Pa.
- FAIR, Charles (1913), Engr., Power and Min. Engrg. Dept., General Elec. Co., Schenectady, N. Y.

- FAIRBANKS, Frank L. (1913), Ch. Engr., Quincy Market Cold Storage & Warehouse Co., 69 Eastern Ave., Boston, and 34 Stedman St., Wakefield, Mass.
- FAIRCHILD, Fred P. (Junior, 1915), Engr., Mech. Div., Stone & Webster, 147 Milk St., Boston, and 820 Massachusetts Ave., Cambridge, Mass.
- FAIRFIELD, Howard P. (1901), Asst. Prof. Mch. Constr., Worcester Poly. Inst., and *for mail*, 1 Dayton St., Worcester, Mass.
- FAIRFIELD, John G. (Junior, 1917), Asst. in Mech. Engrg., Rensselaer Poly. Inst., and 1512 Jacob St., Troy, N. Y.
- FAKKEMA, Rhine (Associate-Member, 1918), Draftsman & Designer, Plant Equip., The Holt Mfg., and *for mail*, Y. M. C. A., Stockton, Cal.
- FALES, Dean A. (Junior, 1916), Instr., Aeronautical Motors Military Sch. of Aeronautics and Naval Aviation Detachment, Mass. Inst. of Tech., Cambridge, and *for mail*, 145 Highland St., West Newton, Mass.
- FALES, Henry H. (1913), Genl. Supt., Champlain Silk Mills, 25 Madison Ave., New York, and 59 Ocean Ave., Brooklyn, N. Y.
- FALK, Harold S. (1916), Gen. Supt., The Falk Co., Foot of 30th St., and 315 Cambridge Ave., Milwaukee, Wis.
- FALKENAU, Arthur (1886), V. P., Hooper-Falkenau Engrg. Co., Woolworth Bldg., and *for mail*, 911 Park Ave., New York, N. Y.
- FALLON, John (Junior, 1910), Dir., Genl. Mgr., Incandescent Heat Co., Ltd., British Mills, Cornwall Rd., Smethwick, and "Carno," Alverley Green Rd., Olton, Warwickshire, England.
- FALLON, John B. (Junior, 1905), Treas., Stickney & Poor Spice Co., 184 State St., Boston, and 87 Mason Terrace, Brookline, Mass.
- FALLOWS, Ernest (Associate-Member, 1917), Textile Engr., W. R. Grace Co., 7 Hanover Sq., New York, and 5 Stratford Rd., Brooklyn, N. Y.
- FANNON, Wm. A. (1907), Dist. Supply Mgr., 1326 The Northwestern Bank Bldg., Portland, Ore.
- FARKELL, George C. (1913), Supt., Rolling Mills, the Natl. Tube Co., and *for mail*, East Erie Ave., R. F. D., Lorain, O.
- FARLEY, Ernst W. (1913), Pres., Richmond Engrg. Co., P. O. Box 514 Richmond, and 707 Brook Turnpike, Ginter Park, Richmond, Va.
- FARMER, F. Malcolm (1915), Ch. Engr., Elec. Testing Labs., 80th St., and East End Ave., and 15 W. 91st St., New York, N. Y.
- FARMER, John T. (1902; 1913), Mech. and Hyd. Engr., 314 Coristine Bldg., Montreal, and St. Anne de Bellevue, Que., Canada.
- FARMER, Thomas (1891), 1121 Majestic Bldg., Detroit, Mich.
- FARNHAM, Bion B. (1918), Supt., Farnham Mfg. Co., 31-39 Indiana St., Buffalo, and *for mail*, Kenmore, N. Y.
- FARNHAM, Dwight T. (1918), Cons. Industrial Engr., 3rd Natl. Bank Bldg., St. Louis, Mo.
- *FARNHAM, George W. (Junior, 1916), 2nd Lieut., C. A., O. R. C., U. S. A., Ft. Totten, L. I., and *for mail*, 28 Birch Crescent, Rochester, N. Y.
- FARNHAM, Thaddeus L. (1914), Mgr. of Sales, The Franklin Mfg. Co., Orchard St., and 1001 Liberty St., Franklin, Pa.
- FARNHAM, Walter E. (Associate-Member, 1918), Instr., Genl. Engrg., Drawing Dept., 304 Transportation Bldg., Univ. of Illinois, and *for mail*, 305 W. Elm St., Urbana, Ill.
- FARQUHAR, Edmund H. (1910), Supt., General Elec. Co., and 1592 Union St., Schenectady, N. Y.
- FARQUHAR, Francis (1907), Genl. Mgr., A. B. Farquhar Co., Ltd., York, Pa.
- FARQUHAR, Percival (Associate, 1917), 25 Broad St., and 49 E. 52nd St., New York, N. Y.

- FARR, Arthur V. (1913; Associate-Member, 1916), Sales Mgr., Hess Steel Corpn., and *for mail*, 3409 Guilford Terrace, Baltimore, Md.
- *FARR, Roy S (Junior, 1913), Lieut., Co. F, 24th Engrs., A. E. F., France, and 8 Clayton Pl., Jamaica, L. I., N. Y.
- FARRAND, Dudley (1895; 1905), Asst. to Pres., Pub. Serv. Corp'n of N. J., 80 Park Pl., and 49 Lincoln Park, Newark, N. J.
- FARRAR, Chas. O. (1902), Rm. 303, 40 Central St., Boston, and *for mail*, 75 Sagamore Ave., West Medford, Mass.
- FARRAR, Edward (1907), Cons. M. E., Genl. Min. and Finance Corp'n, and *for mail*, Box 1242 Johannesburg, Transvaal, S. Africa.
- FARRAR, John G. (Associate-Member, 1916), with Scovell, Wellington Co., 110 State St., Boston, and *for mail*, 839 Belmont St., Waverly, Mass.
- FARRELL, Fredrick L. (Junior, 1913), M. E., Mgr., Green Fuel Economizer Co., 141 Milk St., Boston, and *for mail*, 537 California St., Newtonville, Mass.
- *FARRELL, Morgan G. (1913; Associate-Member, 1917), Capt., Hdqrs., 24th Engrs., A. E. F., France; M. E., Willard Case & Co., 17 Battery Pl., New York, and *for mail*, 233 N. High St., Mount Vernon, N. Y.
- FARRINGTON, Thayer B. (Associate-Member, 1916), M. M., Michigan Div., Pa. Lines West of Pittsburgh, and *for mail*, 1013 North St., Logansport, Ind.
- *FARRINGTON, Thomas H. (1912; Associate-Member, 1913), Capt., E. O. R. C., U. S. Disciplinary Barracks, Fort Leavenworth, Kan.; M. E., McMahon, Farrington & Baker, Owego, Tioga Co., N. Y.
- FASSETT, Francis K. (1912), Pat. Atty., Engr., 1302-3 U. B. Bldg., and *for mail*, 67 Oxford Ave., Dayton, O.
- FAST, Gustave (Associate-Member, 1915), Mgr., Turbo-Gear Dept., Poole Engrg. & Mch. Co., Woodberry, and *for mail*, Green Spring Ave., Mt. Washington, Md.
- FAST, Jacob J. (Associate, 1912), Internatl. Harvester Co., P. O. Box 1131, Moscow, Russia.
- FASTING, Sverre (1918), Cont. Engr., Shepherd Elec. Crane & Hoist Co., Montour Falls, N. Y.
- FAULKNER, David S. (1912; Associate-Member, 1913), Sales Engr., Union Tool Co., Torrance, and *for mail*, 241 E. Ave., 52 W., Los Angeles, Cal.
- FAULKNER, Fred L. (Junior, 1916), E. E., Campbell, Wyant & Cannon Fdy. Co., and *for mail*, 1000 Maffet St., Muskegon Hghts., Mich.
- FAULL, Richard (1907), M. E., Tenn. Coal, Iron & R. R. Co., and *for mail*, 1501 Minnesota Ave., Bessemer, Ala.
- *FAYMONVILLE, Philip R. (Junior, 1918), Maj., Ord., N. A., A. E. F., Vladivostock, Siberia.
- FEAGLES, Ralph L. (1912), M. E., Deister Mch. Co., 1933 E. Wayne St., Fort Wayne, Ind.
- FEAR, Frank G. (Associate-Member, 1918), Draftsman, in charge of Operation Work, Tenn. Coal, Iron & R. R. Co., and *for mail*, Box No. 135, 2352 24th St., Ensley, Ala.
- FEAR, Thomas G. (1916), Genl. Supt., Inland Collieries Co., Harmarville, Pa.
- FEELEY, Frank G. (1916), Chicago Mgr., M. D. Knowlton, Co., 856 W. Adams St., Chicago, and 1228 Forest Ave., Wilmette, Ill.
- FEELY, John J. (Junior, 1918), Asst. Ch. Engr., & M. M., Tuttle & Bailey Mfg. Co., 83 N. 10th St., Brooklyn, N. Y.
- FEHR, Roy B. (Junior, 1914), Asst. Physicist, Recording & Computing Mch. Co., Essex Ave., and *for mail*, 301 Grafton Ave., Dayton, O.
- FEICHT, Edward R. (1907; 1917), Asst. Supt. of Plant, Bridgeport Brass Co., and *for mail*, 46 Petrie St., Bridgeport, Conn.

- FEICHT, Russell S. (1914), Mgr. of Engrg., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 1115 Portland St., East End, Pittsburgh, Pa.
- FEIKER, Fred M. (Associate, 1912), Editor, Elec. World, 239 W. 39th St., New York, and *for mail*, Hewitt Ave., Siwanoy Park, Tuckahoe, N. Y.
- FEILD, William T. (1918), Constr. & Maintenance Engr., Amer. Car & Fdry Co., Constr. Dept., Genl. Headquarters, Detroit, Mich.
- FEISS, Richard A. (Associate, 1913), Genl. Mgr., The Joseph & Feiss Co., 2149 W. 53d St., Cleveland, O.
- FEIST, Seymour (Junior, 1918), M. E., Aeromarine Plane & Motor Co., Keyport, N. J., and *for mail*, Apt. 1-A 808 West End Ave., New York, N. Y.
- FEKETE, Stephen I. (Junior, 1910), Hudson Motor Car Co., and *for mail*, 743 Waterloo St., Detroit, Mich.
- FELDRUSH, Harry A. (Junior, 1917), Testing Engr., Laidlaw Wks., Worthington Pump & Mchy. Corp'n, and 416 East Mitchell Ave., Cincinnati, O.
- FELDMAN, Abram M. (1900), M. E., Ord. Dept., Control Bureau, Constr. Sec., and *for mail*, 708 7th St., N. W., Washington, D. C.
- FELGAR, James H. (1916), Dean, College of Engrg., Univ. of Okla., and *for mail*, 229 W. Duffy St., Norman, Okla.
- FELIX, Samuel P. (1914), Dist. Mgr., Dravo Doyle Co., Commercial Trust Bldg., Philadelphia, and Swarthmore, Pa.
- *FELKER, George F. (1913; 1915), Maj., Ord. Dept., U. S. A., Div. Ord. Officer, 91st Div., A. E. F., France.
- *FELL, Hugh P. (Associate-Member, 1916), 1st Lieut., Co. "D," 2nd Battrn., 37th Engrs., A. E. F., via New York and care of Hamilton, 3031 O St., N. W., Washington, D. C.
- *FELL, Shelby G. (Junior, 1917), Capt., Sanitary Corps, Supply Branch, Branch, Port of Embarkation, and *for mail*, Administration Building, Newport News, Va.
- *FELLERS, William M. (Associate-Member, 1916), Lieut. (j.g.), U. S. N. R. F., Aeronautic Aide, Nav. Air Sta., Hampton Roads, Norfolk, Va., and Bureau of Navigation, Navy Dept., Washington, D. C.
- FELLOWS, Edwin R. (1898), Pres., Genl. Mgr., The Fellows Gear Shaper Co., and *for mail*, 61 Cherry Hill, Springfield, Vt.
- FELTON, Edgar C. (1885), Manager, 1898-1901; Pres., Pa. Steel Co., Morris Bldg., Philadelphia, and Haverford, Pa.
- FENHAGEN, Frank D. (Junior, 1913), Designing Engr., The Barrett Co., Margaret & Bermuda Sts., Frankford, Philadelphia, and N. W. cor. Chelton and Lawnton Aves., Oak Lane, Pa.
- FENN, Robert H. (Associate-Member, 1916), 15 E. 9th St., Whitestone, L. I., N. Y.
- FENSTERMAKER, Sidney E. (1914), Partner, Weinsharp & Fenstermaker, 821 Hume-Monsur Bldg., and 3102 Washington Blvd., Indianapolis, Ind.
- FENTON, Paul W. (Junior, 1916), Engr., Am. By-Products Mchy. Co., 26 Cortlandt St., and 566 W. 162nd St., New York, N. Y.
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- FERGUSON, Christian W. (Junior, 1916), Asst. Supt., Outside Erecting Dept., Henry R. Worthington, Harrison, and *for mail*, 24 Smith St., Jersey City, N. J.
- FERGUSON, Hardy S. (1899), 200 Fifth Ave., New York, N. Y.
- FERGUSON, Hugh McKnight (1916), Supt. Steam Heating, Utah Power & Light Co., Kearns Bldg., and *for mail*, 1134 E. 7th St., Salt Lake City, Utah.
- FERGUSON, James W. (Associate, 1917), Supvr., Mech. Goods Sales,

- Goodyear Tire & Rubber Co., 3010 Locust St., and 1388 Semple Ave., St. Louis, Mo.
- FERGUSON, John L. (Associate-Member, 1917), Asst. Supt., The Quaker Oats Co., Joliet, Ill.
- FERGUSON, John W. (1891), Pres., John W. Ferguson Co., 152 Market St., and 421 12th Ave., Paterson, N. J.
- FERGUSON, Louis S. (Junior, 1917), Dist. Engr., The Permutit Co., 921 Union Arcade, and 4155 Windsor St., Pittsburgh, Pa.
- FERGUSON, Milford B. (1912), Mfr., Wrapping Mch'y., 2491 Bedford Ave., Brooklyn, N. Y.
- FERGUSON, Richard (1915), Mgr., The Grant-Lees Gear Co., 2367 E. 69th St., and *for mail*, 8706 Euclid Ave., Cleveland, O.
- FERGUSON, Smith F. (1915), Cons. Engr., Hill & Ferguson, 100 William St., and 50 Vanderbilt Ave., New York, N. Y.
- *FERGUSON, W. Craig (1912; Associate-Member, 1914), 1st Lieut., Ord. Dept., U. S. R.; V. P., Treas., Asst. Mgr., Walla Walla Iron Wks., Walla Walla, Wash.
- FERGUSON, William B. (1916), Asst. Mgr. Ship Constr., Am. Intl. Shipbldg. Co., Hog Island, and *for mail*, The Bartram, Chestnut & 22nd Sts., Philadelphia, Pa.
- FERGUSON, David (1915), Ch. Engr., Pierce-Arrow Motor Car Co., and 270 Depew Ave., Buffalo, N. Y.
- FERMIER, Emile J. (1908), Prof. M. E., Agri. and Mech. College of Tex., College Sta., Tex.
- FERNALD, Ernest M. (Junior, 1918), Lab. Asst., U. S. Model Basin, Navy Yard, Washington, D. C., and *for mail*, Box 303, Mt. Rainier, Md.
- FERNALD, Robt. H. (1900; 1903), Manager, 1916-1919; Prof.-in-Charge, Mechanical Engrg., Univ. of Pa., Philadelphia, and 6386 Woodbine Ave., Overbrook, Philadelphia, Pa.
- FERNSTROM, Fredde S. (Junior, 1917), U. S. N. Steam Engrg. Sch., Stevens Inst., Hoboken, N. J., and *for mail*, 665 Carroll St., Brooklyn, N. Y.
- FERRERO, Michele (1917), Pres., Societa Italiano Macchine Utensili, C. P. 425, and *for mail*, Viale Mewsia 13, Sesto S. Giovanni, Milano, Italy.
- FERRETTI, Alfred J. (Junior, 1917), Asst. Instr., M. E., Mass. Inst. of Tech., Cambridge, and *for mail*, 92 Church St., Lynn, Mass.
- FERRIER, Walter (1918), Genl. Supt., The Elyria Iron & Steel Co., Elyria, O.
- FERRIS, Walter (1907), Ch. Engr., Bucyrus Co., South Milwaukee, and *for mail*, 710 Prospect Ave., Milwaukee, Wis.
- FERRY, Oliver N. (1916), Supt., Waterbury Tool Co., E. Aurora St., and *for mail*, 111 Coniston Ave., Waterbury, Conn.
- FERRY, Ralph M. (Junior, 1912), Supt., Northern Aluminum Co., Ltd., 158 Sterling Rd., and 113 Constance St., Toronto, Ont., Canada.
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- FESSENDEN, Edwin A. (1908; 1914), Prof. M. E., Pa. State College, 204 Engrg. Bldg., and *for mail*, 214 W. Fairmount Ave., State College, Pa.
- FEYBUSH, Martin (1914), Pres., New Jersey Machine Corp'n., 14th & Clinton Sts., Hoboken, N. J., and 125 E. 24th St., New York, N. Y.
- FICHTER, Clarence (Associate-Member, 1915), Combustion & Efficiency Engr., Day & Zimmerman, Inc., 611 Chestnut St., Philadelphia, and *for mail*, 6737 N. Suydenham St., Philadelphia, Pa.

- FICKES, Alfred C. (Associate-Member, 1916), M. E., Lancaster Iron Wks., and 547 W. Chestnut St., Lancaster, Pa.
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- *FIELD, Frederick C. (1916), Capt., O. O. R. C., U. S. A., care Remington Arms Co., Chester, and 3021 Coulter St., Germantown, Philadelphia, Pa.
- FIELD, Henry P. (1916), Asst. M. E., Am. Car & Fdy. Co., and 121 E. Front St., Berwick, Pa.
- FIELD, Herbert E. (1916), Pres., Wheeling Mold & Fdy Co., and Birch Lynn, Wheeling, West Va.
- FIELD, Lawrence N. (Associate-Member, 1917), Assoc. Prof. Drawing & Design, Mich. Agri. College, and *for mail*, 377 Forest St., East Lansing, Mich.
- FIELD, Robert N. (Associate-Member, 1917), West. Sugar Refinery, San Francisco, and *for mail*, 723 2nd Ave., Richmond Dist., San Francisco, Cal.
- FIFER, A. J. J. (1914), Cons. Engr., Bishopsgate House, 80 Bishopsgate, London, E. C., 2, England.
- FIGEE, J. Hendrick (Associate-Member, 1918), 180 W. 176th St., New York, N. Y.
- FILLINGHAM, Myles P. (1908), Cons. and Contr. Engr., 50 Church St., New York, N. Y., and 104 N. Cliff St., Ansonia, Conn.
- FILLMORE, Herbert W. (Junior, 1917), M. E., Nordyke & Marmon Co., Kentucky Ave., and *for mail*, 310 No. Illinois St., Indianapolis, Ind.
- FINCH, Cecil C. (Junior, 1917), Supt., Broadalbin Knitting Co., Ltd., Broadalbin, N. Y.
- FINCH, Ellis J. (Junior, 1911), 61 Hamilton Pl., New York, N. Y.
- FINDLEY, William D. (Associate, 1913), Ch. Engr., Rm. 902, Oliver Bldg., 114 Milk St., Boston, Mass.
- FINE, Bernard M. (Junior, 1914), Intl. Arms & Fuze Co., Bloomfield, and *for mail*, 120 Chestnut St., East Orange, N. J.
- FINK, Emil C. (1913; 1914), V. P., Intl. Motor Co., 252 W. 64th St., and *for mail*, 498 West End Ave., New York, N. Y.
- FINK, John B. (Associate-Member, 1917), Engr. and Contr., Oil Refineries and Gasoline Plants, Box 578, and 623 S. Elgin Ave., Tulsa, Okla.
- FINKEL, J. J. (1917; Associate-Member, 1917), Ch. Engr., Perelstroms & Storms, 42 Broadway, New York, and 560 Greene Ave., Brooklyn, N. Y.
- FINKEN, Walter S. (Associate-Member, 1918), Res. Engr., Baker Smith & Co., Morgan, N. J., and *for mail*, 525 75th St., Brooklyn, N. Y.
- FINKLE, Frederick C. (1914), Cons. Engr. in Hydro-Elec. Development and Hydromechs., 448-449 I. W. Hellman Bldg., and 1015 W. 93rd St., Los Angeles, Cal.
- FINLAY, Walter S., Jr. (1916), Supt. M. P., I. R. T. Co., 621 Broadway, New York, and *for mail*, 261 Highbrook Ave., Pelham, N. Y.
- FINLAYSON, Edward H., Jr. (Junior, 1913), Engr., Combustion Engrg. Corp'n, 11 Broadway, New York, and *for mail*, 2666 Valentine Ave., Fordham, New York, N. Y.

- FINLEY, A. D. (1898; Associate, 1903), Designing Engr., Russell, Burd-
sall & Ward, Bolt & Nut Co., Midland Ave., and *for mail*, 206 Leicester
St., Port Chester, N. Y.
- FIRESTONE, Sigmund (1912), Cons. M. and E. E., Granite Bldg., and
293 Dartmouth St., Rochester, N. Y.
- FIRTH, William E. (1893), Supervising Inspec., Chicago Dist. Ord. Office,
and *for mail*, 155 E. Superior St., Chicago, Ill.
- FISCHER, Ad. Koerting (1904), Pres., Schutte & Koerting Co., 12th and
Thompson St., and *for mail*, 6904 Wissahickon Ave., Philadelphia, Pa.
- FISCHER, Charles L. (Associate-Member, 1914), M. M., Willard Storage
Battery Co., 246-286 E. 131st St., and 648 E. 109th St., Cleveland, O.
- FISCHER, Fred J. (1915), Ch. M. E., Bureau of Water Wks. and Supply,
and *for mail*, 2407 Romeo St., Los Angeles, Cal.
- FISCHER, Fred W. (1918), Boiler Plant Supvr., Du Pont Engrg. Co.,
Box 58, Nashville, and Du Pont Hotel, Jacksonville, Tenn.
- *FISCHER, L. A. (1918), Maj., U. S. A., Ord. Dept., Gage Sect., Engrg.
Div., War Dept., Washington, D. C.
- FISH, Charles H. (1891), Cons. Engr., 73 Tremont St., Boston, and
1090 Beacon St., Brookline, Mass.
- FISH, Edwards R. (1914), V. P., Heine Safety Boiler Co., and R. F. D. 2,
Phoenixville, Pa.
- *FISH, Matthew R. (Junior, 1914), Mass. State Guard, Co. H, 19th Reg't;
Ch. Draftsman, Am. Steel & Wire Co., and 24 Clearview Ave., Wor-
cester, Mass.
- FISHER, Edward C. (1917), Mgr., American Loco. Co., 2101 Beaver Ave.,
N. S., Pittsburgh, and 675 Lincoln Ave., Bellevue, Pa.
- FISHER, Elbert Clement (1913), Engr., Westinghouse, Church, Kerr &
Co., 37 Wall St., New York, N. Y., and Mt. Tabor, N. J.
- FISHER, Elbert Curtiss (1891; 1913), V. P., Genl. Mgr., The Wickes
Boiler Co., and 308 N. Jefferson Ave., Saginaw, Mich.
- FISHER, Francis P. (1915), Asst. Genl. Mgr., Wichita Pipe Line Co. &
Associated Interests, Drawer F, and 718 Osage Ave., Bartlesville, Okla.
- FISHER, Fred (Associate-Member, 1918), V. P. & Treas., R. E. Ellis
Engrg. Co., 621 W. Washington Blvd., Chicago, Ill.
- FISHER, Henry D. (1907; 1914), M. E., Bailey Meter Co., 141 Milk St.,
Boston, and 338 Lake Ave., Newton Highlands, Mass.
- FISHER, Howard C. (Junior, 1912), Genl. Mgr., Frank A. Sayles, Engrg.
Dept., Central Constr. Co., Slater Trust Bldg., Pawtucket, and
for mail, 10 Brunswick Ave., Saylesville, R. I.
- FISHER, James P. (1914), Ch. Technologist, Empire Co., Drawer F, and
517 E. 8th St., Bartlesville, Okla.
- FISHER, John (1910), Ch. Engr., Hartford Dist., The Conn. Co., and
for mail, 67 Brownell Ave., Hartford, Conn.
- FISHER, O. W. (Associate-Member, 1916), Mem. of Firm, Furman-Fisher
Corpn., 30 Church St., New York, N. Y.; Prod. Engr., Dairy Mchy.
& Constr. Co., Housatonic Ave., Derby, Conn., and 5 Booraem Ave.,
Jersey City, N. J.
- *FISHER, Robert R. (Junior, 1915), 1st Lieut., 106th Engrs., 31st Div.,
Camp Wheeler, Macon, Ga.
- FISHER, Sydney (Associate-Member, 1916), Research Engr., Bridgeport
Brass Co., Bridgeport, and *for mail*, Westport P. O., Westport, Conn.
- FISHER, Valdemar B. (Associate-Member, 1917), Representing, Midvale
Cambria Steel Co., 1830 Widener Bldg., and *for mail*, 422 Ruscomb
St., Philadelphia, Pa.
- FISHER, William C. (1916), Engrg. Dept., Am. Agri. Chem. Co., 286 N.
Broad St., Elizabeth, N. J., and 151 Joralemon St., Brooklyn, N. Y.
- FISHER, William W. (Junior, 1910), Ch. of Standards Dept., The Adder

- Mch. Co., Hoyt St., Kingston, and *for mail*, 45 Wells St., Forty Fort, Pa.
- *FISHLEIGH, Walter T. (1917), Major, U. S. Sanitary Corps, N. A., Surgeon General's Office, Washington, D. C.
- FISK, Gustaf L. (Associate-Member, 1915), Ch. Engr., Central Iron & Steel Co., and 2343 N. 2nd St., Harrisburg, Pa.
- FISKE, Clarence W. (1918), Asst. Ch. Engr., Williams, White & Co., and *for mail*, 2021 13th St., Moline, Ill.
- FISKE, George I. (1917), Supt. of Maintenance, Christian Science Pub. Soc., Boston, and *for mail*, 11 Wyoming St., Roxbury, Mass.
- FISLER, A. Carl (Junior, 1914), Draftsman, U. S. Shipping Board Emergency Fleet Corp., 140 N. Broad St., and *for mail*, 1550 Pratt St., Philadelphia, Pa.
- FITCH, Alfred L. (Associate, 1907), M. E., Electro-Mech. Engrg. Co., 179 W. Washington St., Chicago, and *for mail*, 141 S. East Ave., Oak Park, Ill.
- FITCH, Charles R. (1917), Genl. Mgr., The Stanley Wks., 125 High St., and 96 Main St., Bridgewater, Mass.
- FITCH, Claude E. (1902), Pres., Allen Engrg. Co., 38 S. Dearborn St., Chicago, and *for mail*, 1033 Elmwood Ave., Wilmette, Ill.
- FITCH, George K. (Associate-Member, 1916), Mgr., Tank Dept., Kansas City Structural Steel Co., 1012 Baltimore Ave., and 3944 Walnut St., Kansas City, Mo.
- FITCH, Walter S. (1914), Constr. Engr., Dennison Mfg. Co., and *for mail*, 13 Dennison Ave., Framingham, Mass.
- FITTS, Edwin (1915), Engr., Detroit Stoker Co., and *for mail*, 105 Bethune Ave., W., Detroit, Mich.
- FITTS, James L. (1913), Factory Mgr., Warren Webster & Co., Point and Pearl Sts., Camden, and *for mail*, 103 W. Cedar Ave., Merchantville, N. J.
- FITZ, Ervin M. (1901; 1916), E. E., M. P. Dept., Pa. Lines West of Pittsburgh, New First Natl. Bank Bldg., Columbus, and Worthington, O.
- FITZGERALD, Charles, Jr. (Associate-Member, 1918), Asst. Ch. Engr., Gulf Pipe Line Co., 504 Gulf Bldg., and *for mail*, No. 7, La Morada Apts., Houston, Tex.
- *FITZGERALD, Edward T. (1913), Capt., 2nd Battn., Nav. Militia, Ry. Engr., Nav. Air Sta., Pensacola, Fla.; Pub. Serv. Com., 1st Dist., N. Y., Rm. 1231, 120 Broadway, and *for mail*, 1190 Madison Ave., New York, N. Y.
- FITZGERALD, Gerald (Junior, 1917), Engr., Maxon Premix Burner Co., and Y. M. C. A., Muncie, Ind.
- FITZGERALD, John W., (1918), Engr., L. A. Young Industries, Inc., Detroit, Mich.
- FITZGERALD, Thomas J. (1916), Ch. Engr., Midvale Steel & Ord. Co., Eddystone Rifle Plant, Eddystone, and *for mail*, 1421 Arch St., Philadelphia, Pa.
- FITZGERALD, Walter L. (1916), Asst. Wks. Mgr., Edward G. Budd Mfg. Co., 25th and Hunting Park Ave., and *for mail*, 231 E. Durham St., Mt. Airy, Philadelphia, Pa.
- FITZGIBBONS, David (1912), V. P., Genl. Mgr., Fitzgibbons Boiler Co., E. 10th and Mercer Sts., and 68 E. Mohawk St., Oswego, N. Y.
- FITZPATRICK, Clarence J. (Associate-Member, 1916), V. P., Cleveland Worm Gear Co., E. 40th St. & Payne Ave., Cleveland, O.
- FITZPATRICK, Wm. J. (Associate-Member, 1916), Wood Work Dept., Scranton Tech. High School, and *for mail*, 719 Quincy Ave., Scranton, Pa.
- FITZSIMMONS, James C. (1913), Sales Mgr., Stand. Oil Co., 200 Bush St. and Olympus Club, San Francisco, Cal.

- FITZSIMMONS, J. Edward (Junior, 1916), Ch. Inspc., Pyrene Mfg. Co., 410 E. 32nd St., and 716 West 180th St., New York, N. Y.
- FLACK, Alonzo (Associate-Member, 1915), Mgr., The Emerson Co., 30 Church St., New York, N. Y., and *for mail*, 45 S. Burnett St., East Orange, N. J.
- *FLAD, Albert E. (Junior, 1918), Prvt., U. S. M. C., D. Squadron, 1st Marine Aviation Force, Curtiss Flying Field, Miami, Fla.
- FLAD, Edward (1891), Pres., Flad-Humphrey Engrg. Co., 1312 Chemical Bldg., St. Louis, and *for mail*, care of Pub. Serv. Commission, Jefferson City, Mo.
- FLAGG, Charles N., Jr. (1915), Pres., C. N. Flagg & Co., Inc., 27 State St., and 23 Lambert Ave., Meriden, Conn.
- *FLAGG, Paul M. (Junior, 1917), 1st Lieut., Inf., U. S. A., 2nd Co., 4th Div. Battn., 156 Depot Brigade, Camp Sevier, Greenville, S. C., and *for mail*, Bryn Mawr, Pa.
- FLAGG, Samuel B. (1907; 1918), Fuel Expert, Elec. Bond & Share Co., 71 Broadway, New York, N. Y., and *for mail*, Texas Power & Light Co., Dallas, Tex.
- FLAGG, Stanley G., Jr. (1891), Manager, 1910-1913; S. G. Flagg & Co., 1421 Chestnut St., Philadelphia, Pa.
- FLAM, August (Associate-Member, 1918), Checker, Drafting Dept., Southwestern Shipbldg. Co., East San Pedro, and *for mail*, 2207 W. 11th St., Los Angeles, Cal.
- FLANAGAN, Walter N. (Junior, 1917), Asst. Steam Engr., Carnegie Steel Co., Ohio Wks., Youngstown, O., and *for mail*, 319 N. St. Clair St., Pittsburgh, Pa.
- FLANDERS, Ralph E. (1908; 1914), Mgr., Jones & Lamson Mch. Co., and *for mail*, 41 Pleasant St., Springfield, Vt.
- FLANDERS, Warren B. (1915), Engr., Westinghouse Mch. Co., East Pittsburgh, and 910 Peebles St., Wilkinsburg, Pa.
- *FLANIGAN, Edwin B. (Junior, 1913), 1st Lieut., Q. M. C., Comdg. M. S. T. U., 405, A. E. F., France, and 65 W. South St., Wilkes-Barre, Pa.
- FLANNAGAN, Eric G. (Junior, 1916), Engr. and Draftsman, West Va. Pulp and Paper Co., and 302 N. Lexington St., Covington, Va.
- FLANNER, Douglas D. (1915), Genl. Mgr., Flanner-Water Tube Boiler Co., 521 Second Natl. Bank Bldg., and 87 Rose Ave., Akron, O.
- FLANNERY, John M. (1907), Solvay Process Co., and *for mail*, 1628 W. Genesee St., Syracuse, N. Y.
- FLATEBOE, Einar I. (Associate-Member, 1914), Supt., The Vulcan Mfg. Co., 1200 Fourth Ave., S., and 911 24th Ave., Seattle, Wash.
- FLATHER, Ernest J. (1917), Pres., Treas., E. J. Flather Mfg. Co., 44 Spring St., and *for mail*, 8 Berkeley St., Nashua, N. H.
- FLATHER, Frederick A. (1892), Treas., Boott Mills, 79 Milk St., Boston, and *for mail*, 68 Mansur St., Lowell, Mass.
- FLATHER, John J. (1889), Prof., Mech. Engrg., Univ. of Minn., and *for mail*, 317 Oak Grove St., Minneapolis, Minn.
- FLECKENSTEIN, Alfred C. (Associate-Member, 1918), Office Mgr. & Cost Accountant, Richmond Radiator Co., 1480 Broadway, New York, and *for mail*, 252 Lorraine Ave., Mt. Vernon, N. Y.
- FLECKENSTEIN, Harry (1915), M. E., Hindley Gear Co., 1105 Frankford Ave., Philadelphia, and *for mail*, 5126 Green St., Germantown, Philadelphia, Pa.
- FLEISHER, Walter A. (Associate-Member, 1917), M. & E. E., S. B. & B. W. Fleisher, Inc., 26th and Reed Sts., and *for mail*, 3422 Powelton Ave., Philadelphia, Pa.
- FLEISHER, Walter L. (1918), Pres., W. L. Fleisher & Co., Inc., 31 Union Sq., W., New York, N. Y.

- FLEMING, Henry S. (1903), Cons. Engr., Rm. 219, 1 Broadway, and 2 E. 65th St., New York, N. Y.
- FLEMING, William P., Jr. (Junior, 1918), Asst. Engr., J. S. Schofields Sons Co., and *for mail*, 757 Mulberry St., Macon, Ga.
- FLEMING, Wills M. (1905; 1909), Engr. in Charge Drawing Rm., Deane Wks., and *for mail*, 370 Maple St., Holyoke, Mass.
- FLETCHER, Andrew (1893), Pres., Am. Loco. Co., 30 Church St., New York, N. Y.; Pres., W. & A. Fletcher Co., Hoboken, N. J., and 17 E. 54th St., New York, N. Y.
- FLETCHER, Andrew, Jr. (Junior, 1917), The W. & A. Fletcher Co., 14th St., Hoboken, N. J., and *for mail*, Hotel Gotham, New York, N. Y.
- FLETCHER, E. Leslie (1909), Fletcher-Thompson, Inc., 1089 Broad St., and *for mail*, 59 Chalmers Ave., Bridgeport, Conn.
- FLETCHER, Fred (1914), M.E., Harrisburg Pipe & Pipe Bending Co., Harrisburg, and *for mail*, R. F. D. No. 1, Lancaster, Pa.
- FLETCHER, Harold W. (Junior, 1916), Engr., Hughes Tool Co., Houston, Tex., and 4691 Beaufort St., Richmond Hill, L. I., N. Y.
- FLETCHER, Howard C. (1918), Ch. Draftsman, Hull Div., Navy Yard, Bldg. No. 6, New York, N. Y.
- FLETCHER, James R. (1906), Factory Mgr., P. & F. Corbin Mfg. Co., and *for mail*, 165 W. Main St., New Britain, Conn.
- FLETEMEYER, Louis H. (Junior, 1906), Sales Engr., A. R. Williams Mch. Co., 64 Front St., W., and *for mail*, 163 Grenadier Rd., Toronto, Ont., Canada.
- *FLEWELLING, Milton F., Jr. (Junior, 1918), U. S. N. Steam Engrg. Sch., Stevens Inst. of Tech., Hoboken, N. J.
- FLEXER, Samuel E. (1914), M.E., Edison Portland Cement Co., New Village, and *for mail*, 65 Youmans Ave., Washington, N. J.
- *FLICKINGER, Harrison W. (Junior, 1911), Capt., Air Serv., McCook Field, Dayton, O.
- *FLIEGNER, Carl G. (Junior, 1917), Candidate, F. A. O. T. S., 10th Train Battery, Camp Zachary Taylor, Ky., and *for mail*, 2819 Logan Blvd., Chicago, Ill.
- FLINN, Melville S. (1913), Secy., Treas., Flinn & Dreffin Co., 431 S. Dearborn St., and 112 S. Michigan Ave., Chicago, Ill.
- FLINN, Thomas F. (1892), M. E., 72 Second Pl., Brooklyn, N. Y.
- FLINT, Bertram P. (1894), N. Y. Mgr., McIntosh & Seymour Corp'n, 149 Broadway, New York, N. Y., and Montclair, N. J.
- FLINT, William P. (1903), M.E., Chemical Warfare Sec., **Research Div.**, Am. Univ., and *for mail*, 3433 Mt. Pleasant St., N. W., Washington, D. C.
- FLIPPEN, John P. (Associate-Member, 1914), Dist. Mgr. in West. Pa., Ohio, West Va.; C. H. Wheeler Mfg. Co., Citizens Bldg., Cleveland, O., and *for mail*, 433 Union Arcade Bldg., Pittsburgh, Pa.
- FLODIN, John (Associate-Member, 1918), Hull Engr., Ferguson Steel & Iron Co., Bailey Ave. & Stanley St., and 31 Northumberland Ave., Buffalo, N. Y.
- FLOHR, Ralph C. (Junior, 1916), Engrg. Dept., The Am. Tool Wks. Co., Cincinnati, O., and *for mail*, 253 Van Voast Ave., Bellevue, Ky.
- FLOOD, Henry, Jr. (Associate-Member, 1916), M.E., Am. Smelting & Ref. Co., Perth Amboy, and *for mail*, 144 Bryant St., Rahway, N. J.
- FLOREZ, Luis de (Associate-Member, 1916), Bureau of Constr. & Repair, Navy Dept., Washington, D. C.
- FLORY, Burton P. (1906), Supt. M. P., N. Y., Ont. & West. Ry. Co., and 117 Highland Ave., Middletown, N. Y.
- *FLOWERS, Alan E. (1916), Capt., Radio Div. Sec., Sig. Corps, Washington, D. C.

- FLOWERS, Dean W. (1914; 1916), Engr., St. Paul Gas Light Co., 6th and Jackson St., and 1205 Dayton Ave., St. Paul, Minn.
- FLYNN, Charles A. (1916), Supv. Engr., Douglas Robinson, Chas. S. Brown Co., 14 Wall St., New York, N. Y., and 1137 Park Terrace, Plainfield, N. J.
- FLYNN, James A. (Junior, 1918), Prod. Engr., Badenhause Co., 1425 Chestnut St., and *for mail*, 3254 N. 13th St., Philadelphia, Pa.
- FLYNN, James J. (Junior, 1918), Asst. Ch. Inspector of Ord., U. S. Government, Remington Arms, Bridgeport Wks., and *for mail*, 300 East Ave., Bridgeport, Conn.
- FLYNN, John H. (1917), Blaw-Knox Co., Box 915, Pittsburgh, Pa.
- FLYNN, Michael H. (1913), Mgr. of Factory, M. S. Little Mfg. Co., 151 New Park Ave., and *for mail*, 113 Whitney St., Hartford, Conn.
- FOERSTERLING, Dr. Hans (1915), Ph. D., Jamesburg, N. J.
- FOGARTY, Michael (1915), Pres., Michael Fogarty, Inc., 527 W. 33d St., New York, and 119 Russell St., Brooklyn, N. Y.
- FOGARTY, Michael J. (1914), 38-40 Harrison St., and *for mail*, 1441 Pacific St., Brooklyn, N. Y.
- FOGARTY, Will J. (1911), Cons. Engr., 637 Kenwood Ave., Dayton, O.
- *FOGG, Oscar H. (1907; 1913), Capt., O. R. C., U. S. A., and *for mail*, 1707 Arch St., Philadelphia, Pa.
- *FOGLER, Ben. B. (Junior, 1912), Maj., Chem. Warfare Serv., Research Div., Am. Univ. Exper. Sta., Washington, D. C.
- FOISY, George A. (Associate-Member, 1918), Designing Engr., U. S., Cartridge Co., and *for mail*, 1084 Bridge St., Lowell, Mass.
- FOLEY, Leonard H. (Junior, 1912), Stone & Webster Engrg. Corp., 147 Milk St., Boston, and *for mail*, 52 W. Central St., Natick, Mass.
- FOLEY, Louis J. (Junior, 1916), Ch. Instr. Motor Transport, Aviation Sec. S. C., Scott Field, Belleville, Ill., and *for mail*, 416 Dove St., Dunkirk, N. Y.
- FOLEY, Walter J. (Junior, 1910), Mgr., Argus Copper Co., Trone, Cal.
- FOLSOM, Eugene L. (1913), Asst. Genl. Mgr., Waltham Watch Co., Crescent St., and *for mail*, 101 Washington Ave., Waltham, Mass.
- FOLTZ, Thomas F. (1918), M.E., Pa. Dept. of Labor & Industry, 3rd & North Sts., Harrisburg, Pa.
- FONDA, Burton C. (Junior, 1912), N. Y. Office, The F. W. Horne Co., of Tokyo, Japan, 2 Rector St., New York, and *for mail*, 118 Division St., New Rochelle, N. Y.
- *FOORD, James L. (1915), Lieut. Comdr., U. S. N. R. F., Mch. Div., Navy Yard, Bldg. 27, and *for mail*, 129 Columbia Heights, Brooklyn, N. Y.
- FOOTE, Andrew W. (1900), Pres., The Foote-Burt Co., 4101 St. Clair Ave., and 1614 Hazel Drive, Cleveland, O.
- FOQUE, Theodore A. (1916), Genl. Mech. Supt., The Minneapolis, St. Paul & Sault Ste. Marie Ry., First Natl.-Soo Line Bldg., and *for mail*, 1912 S. Irving Ave., Minneapolis, Minn.
- FORAN, George J. (1887; 1893), Mgr., Condenser Dept., Worthington Pump & Mch. Corp., Rm. 1800, 115 Broadway, and 471 Central Park, W., New York, N. Y.
- FORBES, Harry R. (Associate, 1911), Dir., East. Rep., Lumen Bearing Co., Rm. 573, 50 Church St., and 500 W. 122nd St., New York, N. Y.
- FORBES, W. D. (1886), 236 Hempstead St., New London, Conn.
- FORBUSH, Franklin L. (1915), State Insp. of Boilers, Commonwealth of Mass., 68 Main St., and *for mail*, 93 Brooklyn St., North Adams, Mass.
- FORCE, Henry H. (Associate-Member, 1916), Ch. Engr., Ch. Elec., The Stanley Wks., and *for mail*, 86 Garden St., New Britain, Conn.
- FORD, Arthur S. (Associate-Member, 1918), Asst. Engr., Defense Dept., Melbourne, Australia, and *for mail*, Arsenal Branch Australia House, Strand, London, England.

- FORD, Bruce (1907), Fourth V. P., The Elec. Storage Battery Co., 19th St. and Allegheny Ave., Philadelphia, and 25 Summit St., Chestnut Hill, Philadelphia, Pa.
- FORD, Everett L. (Associate-Member, 1916), Secy. & Supt., Frank Mossberg Co. and Tyler St., Attleboro, Mass.
- FORD, Henry (1915), Pres., Ford Motor Co., Detroit, Mich.
- FORD, Wendell B. (Junior, 1918), Aeronautical Engr., Aeromarine Plane & Motor Co., Keyport, N. J.
- *FORD, Winthrop D. (Associate-Member, 1914), Ensign, U. S. N., U. S. S. *Harrisburg*, and for mail, Kingston, Mass.
- *FORDYCE, John R. (1899), Maj., Engrs., U. S. A., Terminal Engr., U. S. R. R. Administration, 906 Third Natnl. Bank Bldg., and 21 Washington Terrace, St. Louis, Mo.
- *FORFAR, Donald M. (Junior, 1913), 1st Lieut., Engrs. R. C., 26th Engrs., Camp Dix, N. J., and for mail, care of Ira G. Mirick, Lyons, N. Y.
- FORGY, J. Edmonds (1906; 1913), Pur. Agt., The Locomobile Co. of Am., 2 Main St., and 1910 Park Ave., Bridgeport, Conn.
- FORNEY, J. Raymond (Associate-Member, 1915), Sales Engr., The Ralston Steel Car Co., 304 McLachlen Bldg., Washington, D. C.
- FORREST, George M. (1912), Asst. Genl. Fact. Mgr., Remington Type-writer Co., 374 Broadway, and 255 West End Ave., New York, N. Y.
- FORREST, James (Associate-Member, 1917), The Babcock & Wilcox Co., Barberton, and for mail, 76 N. 19th St., Kenmore, O.
- FORSBURG, Henry A. (1911), Genl. Supt., Stand. Oil Co. of Cal., San Pablo, and 1734 Sonoma Ave., Berkeley, Cal.
- FORSTALL, Alfred E. (1899), Partner, Forstall & Robinson, 15 Park Row, New York, N. Y., and Montclair, N. J.
- FORSTER, Samuel S. (1917), Supt., Sec. C., Bldg. 16, Genl. Elec. Co., and for mail, 47 Third Ave., Schenectady, N. Y.
- *FORSYTH, James M. (Junior, 1914), 1st Lieut., U. S. A., Air Serv. (Aeronautics), Avia. Repair Depot, Dallas, Texas.
- FORSYTH, Robert (1881), Life Member; Manager 1891-1894; 1157 The Rookery, Chicago, Ill.
- FORSYTH, William (1883), Manager, 1888-1891; M.E., 112 Moreland Ave., Chestnut Hill, Philadelphia, Pa.
- FORSYTHE, Clayton E. (Associate-Member, 1917), Chief Engr., Willys Morrow Co., and 400 Mt. Zour St., Elmira, N. Y.
- FORTMANN, Edward (Junior, 1914), Indiana Pipe Line, 3 Bippus Bldg., Huntington, Ind.
- *FORTNEY, C. P., (1913; 1916), Capt., Engrs., U. S. R., 1438 U St., N. W., c/o Gen. Engr. Depot, Washington, D. C., and 10 Grow Ave., Montrose, Pa.
- FORTUIN, Morris (1914), Mgr., Pa. Cement Co., Nazareth, Pa.
- FORTUNE, John R. (1912), 3 Harold Arms, Scottwood Ave., Toledo, O.
- FOSDICK, Frederick (1914), Pres., Fitchburg Steam Eng. Co., and 98 Pleasant St., Fitchburg, Mass.
- FOSDICK, William P. (1916), Assoc. with Walter G. Franz, Cons. Engr., 1703 Union Trust Bldg., and for mail, 514 Hawthorne Ave., Cincinnati, O.
- FOSTER, C. H. (1886), Life Member; Treas., Tolhurst Mch. Wks., 648 Fulton St., and for mail, 31 Bell Ave., Troy, N. Y.
- FOSTER, Charles (1917), Genl. Supt., Water & Light Dept., Village of Hibbing, P. O. Box 404, and 411 Mohoning St., Hibbing, Minn.
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- FOWLER, R. E. (Associate, 1918), Supt., Fitz Water Wheel Co., and The Mansion House, Hanover, Pa.
- *FOWLER, Wallace S. (Junior, 1912), 1st Lieut., O. O. R. C., Production Officer, Carriage Section, Production Div., Remington Arms Bridgeport Wks., Boston Ave., Bridgeport, and 552 Naugatuck Ave., Devon, Conn.
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- FRANKS, Fredk. B. (1904), 1st V. P., Bath Portland Cement Co., Bath, Pa.
- FRANKS, Norvin H. (Junior, 1918), Material Agent, Jacksonville Ship-Outfitting Yard, California Brick Co., Jacksonville, Fla.
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- *FRAUENS, Frank H., Jr., (Junior, 1915), Prvt. Co. A., 41st Battn., 41st Engrs., A. E. F., France, and *for mail*, 212 E. 35th St., Kansas City, Mo.
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- FRAZAR, Everett W. (1914), Managing Dir., Sale & Frazar, Ltd., 7 Yaesucho, Tokio, and 119 Bluff, Yokohama, Japan.
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- *FREDERICK, Alvah B. (Junior, 1916), Lieut., Ord. Dept., U. S. A., Army Inspector of Ord., Savage Arms Corp., and *for mail*, 18 Oswego St., Utica, N. Y.
- FREDERICK, Charles L. (1917), Genl. Mgr., Thurlow Steel Wks., Chester, Pa., and 5 Elliott Terrace, Rutherford, N. J.
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- FREEMAN, Herbert A. (1916), Ch. Draftsman, Crocker Wheeler Co., Amere, N. J.
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- FREEMAN, J. Porter (1908), Constr. Engr., Alex. Smith & Sons, and *for mail*, 225 Woodworth Ave., Yonkers, N. Y.
- FREEMAN, John R. (1887), Vice-President, 1902-1904; President, 1905; Pres., Mfrs. Mut. Fire Ins. Co., 815 Grosvenor Bldg., and 235 Arlington Ave., Providence, R. I., and Cons. Engr., N. Y. Bd. of Water Supply, Municipal Bldg., New York, N. Y.
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- *FRENCH, Edward V. (1905), Maj., Q. M. C., N. A., Ch. of Fire Prevention Bureau, A. P. O. 717, A. E. F., France.
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- FRICKER, J. E. (Associate-Member, 1917), Supt., Liquid Air Div., Air Nitrates Corpn., Muscle Shoals, Ala., and 469 Fifth Ave., New York, N. Y., also 812 N. Front St., Reading, Pa.
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- FRIEND, Walter F. W. (Junior, 1913), M. E., Gibbs & Hill, Pa. Sta., and 423 W. 118th St., New York, N. Y.
- FRINK, Francis G. (1913), V. P., Secy., Wash. Iron Wks., and 140 40th Ave., N., Seattle, Wash.
- FRINK, Gerald (1913), V. P., Mgr., Wash. Iron Wks., and 403 31st Ave., S., Seattle, Wash.
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- FROELICH, Freddy (1913), Secy., Verin deutscher Maschinenbau-Anstalten, Hardenbergstr 3, and Reichskanzlerplatz 4, Charlottenburg, Germany.

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- FROST, Edward J. (1908), Pres., Genl. Mgr., Frost Gear & Forge Co., Horton & Tyson Sts., and *for mail*, 816 W. Main St., Jackson, Mich.
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- FROST, Harwood (1910), Pres., Brown Portable Conveying Mchy. Co.; Pres., Terminal Engrg. & Equip Corp'n., 10 S. La Salle St., and 5737 Kenmore Ave., Chicago, Ill.
- FROST, Vincent M. (1914), Plant Engr., Pub. Serv. Elec. Co., 80 Park Pl., Newark, and *for mail*, 153 Sanford St., East Orange, N. J.
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- GAMON, Ernest E. (Junior, 1904), Supt. M. S. Dept., S. S. White Dental Mfg. Co., Prince Bay, Staten Island, N. Y., and Hillside Ave., Great Kills, New York.
- GANNON, Thomas J. (1913), Cons. Mech. and Hyd. Engr., 143 Liberty St., New York, and *for mail*, 69 Monroe St., Brooklyn, N. Y.
- GANSCHOW, Lloyd W. (Junior, 1915), Off. of Pres. of Academic Bd., School of Military Aeronautics, Ohio State Univ., and *for mail*, 42 13th Ave., Columbus, O.
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- GANTT, Henry L. (1888), Manager, 1908-1911; Vice-President, 1913-1915; Industrial Engr., 2905 Singer Bldg., New York, N. Y., and 18 Hoburg Pl., Montclair, N. J.
- GARBETT, Benjamin C. (1912), Secy., Twin City Mch. Co., and *for mail*, 416 Oak St., S. E., Minneapolis, Minn.
- GARDINER, Andrew J. (1906), Pres., Genl. Mgr., The Commer. Mch. Co., Inc., Dunkirk, and *for mail*, 312 Central Ave., Fredonia, N. Y.
- GARDINER, H. Lewis, (Associate-Member, 1917), Engr., Charge of Turbine Constr., Poole Engrg. & Mch. Co., Woodberry, and *for mail*, 2409 Guilford Ave., Baltimore, Md.
- GARDINER, Walter B. (1913), Mech. Supt., Lincoln Twist Drill Co., and *for mail*, 372 Cohannet St., Taunton, Mass.
- GARDNER, Archibald (1915), Ch. Engr., A. Bentley & Sons, U. S. S. B., Concrete Shipyard Agents for E. F. C., Jacksonville, Fla., and Babylon, L. I., N. Y.
- *GARDNER, Douglas M. (Junior, 1917), Ensign (Eng.), U. S. N. R. F., on the Sea, and *for mail*, 357 W. 115th St., New York, N. Y.
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- GARDNER, Henry (1904; 1913), Spec. Engr., B. & O. R. R. Co., 501 B. & O. Bldg., Baltimore, and *for mail*, 605 Edgevale Rd., Roland Park, Md.
- GARDNER, Horace C. (1904), Mem. of Firm, Gardner & Lindberg, Marquette Bldg., Chicago, Ill.
- GARDNER, Kirtland C. (Associate, 1909), Sales Engr., United Engrg. & Fdy. Co., 2313 Farmers Bank Bldg., Pittsburgh, and Coraopolis, Pa.
- GARDNER, Rolland (1918), Com. Engr., Westinghouse Elec. & Mfg. Co., Swetland Bldg., and *for mail*, 1474 Wagar Ave., Lakewood, Cleveland, O.
- GARDNER, Thomas (Junior, 1917), Machinist, Naval Estate, Naval Engrg. Sch., Stevens Institute, Hoboken, N. J.
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- GARDNER, William M. (1914), U. S. Asst. Engr., Engrg. Dept., P. O. Box 1027 and 1602 Vinton Ave., Memphis, Tenn.
- GARFIELD, Alexander S. (1907), Ch. Engr., Cie. Francaise pour l'Exploitation des Procédés Thomson-Houston, 10 Rue de Londres, and *for mail*, 45 Blvd. Beauséjour, Paris (16e), France.
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- GARLAND, Philip (Junior, 1918), Statistician & Field Engr., U. S. Shipping Bd., Emergency Fleet Corp., Supply Div., Suite 1311, Alaska Bldg., and 526 Broadway, No., Seattle, Wash.
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- *GARRETT, Seymour S. (1916), Capt., Engrs., U. S. A., Hdqrs. 306th Brigade, Tank Corps., A. E. F., France.
- GARRIGUES, Edmund (1900), Ch. Engr., The Russell & Co., and *for mail*, 223 S. Cedar St., Massillon, O.

- *GARRISON, Wyckoff L. (Junior, 1916), 2nd Lieut., 5th Ord. Dept., 301st Mobile Ord. Repair Shop, 76th Div., A. E. F., France.
- GARSON, Thorvald N. (1918), Mech. Engr., Garson Bros., 30 Church St., and *for mail*, 547 Manhattan Ave., New York, N. Y.
- GARTLEY, Alonzo (1911), V. P. and Cons. Engr., C. Brewer & Co., P. O. Box 347, and 2208 Kamehameha Ave., Honolulu, Hawaii.
- GARVIN, George K. (1909), Pres., The Garvin Mch. Co., 141 Varick St., and 84 Nassau Blvd., Garden City, L. I., N. Y.
- GARY, Hartwell H. (1917), Supt., Ingalls Iron Wks. Co., Birmingham, Ala.
- GASSMAN, Howard M. (1916), Associate Ch. Fuel Conservator, State of Alabama; Cons. Engr., 848 Brown Marx Bldg., and 327 10th Ave., W., Birmingham, Ala.
- GAST, George F. (Junior, 1910), M. E., Walter Kidde & Co., 140 Cedar St., New York, and *for mail*, Jones Point, Rockland Co., N. Y.
- GASTON, Newton D. (1914), Efficiency Engr., Adams & Westlake Co., 319 W. Ontario St., Chicago, and *for mail*, 439 S. Madison Ave., La Grange, Ill.
- GATELY, Philip J. (Associate, 1904), Ch. Engr., with Richard Webber, 3191 Third Ave., and *for mail*, 125 E. 54th St., New York, N. Y.
- *GATELY, Wm. A. (Junior, 1912), Lieut., Ord. Dept., U. S. A., Rock Island Arsenal, Rock Island, Ill.
- GATES, Grandon D. (1914; 1918), Asst. Wks. Supt., The Celluloid Co., 290 Ferry St., and 685 Mt. Prospect St., Newark, N. J.
- GATES, J. George (1911; Associate-Member, 1918), Prod. Supt., Sperry Gyroscope Co., Manhattan Bridge Plaza, and *for mail*, 46 Dennington Ave., Woodhaven, L. I., N. Y.
- GATES, Philetus W. (1902), Vice-President, 1906-1908; Pres., Hanna Engrg. Wks., 1765 Elston Ave., Chicago, and 2929 Sheridan Rd., Evanston, Ill.
- GATES, Robert M. (1918), The Lakewood Engrg. Co., 111 Broadway, New York, N. Y., and 100 S. Arlington Ave., East Orange, N. J.
- *GATES, Sam J. (Associate-Member, 1916), Capt., Engrs., U. S. R., U. S. A., A. E. F., France, and *for mail*, 1 W. 64th St., New York, N. Y.
- GATES, Thayer P. (1906; 1913), The Fairfax Apts., Germantown, Phila., Pa.
- GAUSE, F. Taylor (1893), Lubricating Oil, Foreign Dept., Stand. Oil Co. of N. Y., 26 Broadway, New York, N. Y., and *for mail*, 1011 Clive St., Calcutta, India.
- GAUSS, Henry F. (Associate-Member, 1917), Ch. Engr., Illinois Stoker Co., and *for mail*, 420 Bellevue Ave., Alton, Ill.
- GAY, Frederick W. (1913), Genl. Mgr., Atlantic Dept., The Pelton Water Wheel Co., 90 West St., New York, N. Y., and "The Riverside," Cranford, N. J.
- GAY, Harry (1907; 1911), Engr., Mech. Div., Stone & Webster, 147 Milk St., Boston, and *for mail*, 27 Chester St., Newton Highlands, Mass.
- GAYLORD, William W. (Junior, 1914), Ch. Draftsman, Coe Brass Branch, Am. Brass Co., and *for mail*, R. F. D. 3, Torrington, Conn.
- GAYMAN, Bert A. (1914), Asst. to Pres., Link-Belt Co., 39th and Stewart Ave., and 7359 Harvard Ave., Chicago, Ill.
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- GEBAUER, Clarence H. (Junior, 1916), Turbine Constr. Foreman, Genl. Elec. Co., Providence Bank Bldg., Cincinnati, and 1317 E. 84th St., Cleveland, O.
- GEBHARDT, George F. (1904), Prof. M.E., Armour Inst. of Tech., and 1252 Columbia Ave., Chicago, Ill.
- GEBHARDT, Louis E. (Junior, 1917), Yarnall-Warniz Co., Mermaid, Chestnut Hill, and 4923 N. Warnock St., Philadelphia, Pa.
- GECK, Albert A., (Associate-Member, 1918), Supt., Colburn Machine Tool Co., and *for mail*, c/o Colburn Mch. Co., Franklin, Pa.
- *GEDDIS, Robert H. (Associate-Member, 1916), Sergt., U. S. Inf., Company Clerk, 16th Co., 162nd Sep. Brig., Camp Upton, L. I., N. Y.; Salesman, Jones & Laughlin Steel Co., 3rd Ave. & Ross St., and *for mail*, 5870 Aylesboro Ave., Pittsburgh, Pa.
- GEE, Norman E. (1918), Foreman, P. R. R., Foreman, M. E., Office, and *for mail*, 1529 9th St., Altoona, Pa.
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- GENUNG, Nelson H. (1912), V. P., Genl. Mgr., Coatesville Boiler Wks., 30 Church St., New York, N. Y., and 69 N. Walnut St., East Orange, N. J.
- GEOGHEGAN, John T. (1917), M. E., Southern R. R., 114 Ingalls Bldg., Cincinnati, and *for mail*, 3606 Edwards Rd., Hyde Park, Cincinnati, O.
- GEORG, Theo. (1915), Wks. Mgr., Alberger Pump & Cond. Co., 89 First St., and 3 Catherine St., Newburgh, N. Y.
- GEORGE, Jerome Rowley (1899), V. P., Morgan Constr. Co., 15 Belmont St., and *for mail*, 54 Elm St., Worcester, Mass.
- GEORGE, Ralph D. (Associate-Member, 1918), Asst. Engr., E. M. Stevens & Co., 708 Ridge Arcade Bldg., and *for mail*, 4341 Tracy Ave., Kansas City, Mo.
- GEORGE, Vincent C. (Junior, 1917), Instr. Ext. Div., Univ. of Wisconsin, Madison, Wis.
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- GERBER, Samuel R. (Junior, 1913), Industrial Engr., De Laval Separator Co., and 2 Baker St., Poughkeepsie, N. Y.
- GERDAU, Barthold (1911), Ch. Engr., Managing Dir., Haniel & Lueg, and *for mail*, Neanderstr, 13, Düsseldorf, Germany.
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- GERMAIN, Joseph N. (1911), Planner, Winchester Repeating Arms Co., New Haven, and *for mail*, 77 High St., Milford, Conn.
- GERRISH, Harry E. (1917), Pres., Morgan-Gerrish Co., 501 6th St., S. and 2909 Knox Ave., S., Minneapolis, Minn.
- GERSONI, Louis J. (Associate-Member, 1913), Asst. Engr., N. Y. C. R. R., Grand Central Term., New York, and *for mail*, 711 Sterling Pl., Brooklyn, N. Y.
- GEST, Alexander P., Jr. (Junior, 1916), Asst. Supt., The Barrett Co., Frankford, Philadelphia, and Cynwyd, Pa.
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- *GFRORER, Albert H. (1913; Associate-Member, 1918), 1st Lieut., Ord. Dept., U. S. A., and *for mail*, 19 Race Hillside, Elizabeth, N. J.
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- GIACOMINO, Joseph L. (Junior, 1918), Production Engr., Fulton Bag & Cotton Mills, So. Peters & Giannie Sts., and *for mail*, 823 Chartres St., New Orleans, La.
- *GIANELLONI, Vivian J. (Junior, 1917), 1st Lieut., C. A. C., U. S. A., Army P. O. No. 733, A. E. F., France, and 608 29th St., Oakland, Cal.
- *GIBB, James A. (Junior, 1917), 1st Lieut., Inf., Aide-de-Camp to Brig. Genl. Blocksom, Hdqrs., Hawaiian Dept., Honolulu, H. T.
- GIBBONS, Archer (Associate, 1918), Mgr. of Genl. Office, care of Thomas A. Edison, Inc., Orange, N. J.
- GIBBONS, James O. G. (Associate-Member, 1914), Asst. M.E., Westinghouse, Church, Kerr & Co., 37 Wall St., New York, N. Y., and *for mail*, 25 Birchwood Ave., East Orange, N. J.
- GIBBONS, Michael J., Jr. (1917), Secy., M. J. Gibbons Supply Co., 601 E. Monument Ave., and *for mail*, 22 Oxford Ave., Dayton, O.
- *GIBBS, Charles W. (Junior, 1917), Machinist's Mate, 1st Class, U. S. N. R. F., Fuel Oil Testing Plant, Navy Yard, Philadelphia, and 621 Maryland Ave., Pittsburgh, Pa.
- GIBBS, George (1890), Cons. Engr., Gibbs & Hill, Pa. R. R. Sta., New York, N. Y.
- GIBBS, Harold E. (1914), Erecting Engr., O'Neil Iron Wks., 268 Scott St., and *for mail*, 132 W. Tupper St., Buffalo, N. Y.
- GIBERT, Ralph W. (Associate-Member, 1914), Care and Distribution of Tools, Buick Motor Co., and *for mail*, 200 White St., Flint, Mich.
- GIBNEY, James W. (1909), Mgr., Brigham & Taylor Wks., 575 Howard St., and *for mail*, 416 Woodward Ave., Buffalo, N. Y.
- GIBSON, Arnold H. (1918), Univ. Prof. Engrg., University of St. Andrews, and *for mail*, University College, Dundee, Scotland.
- GIBSON, Arthur (1892), Atlas Wonder Mining Co., Wonder, Nevada.
- GIBSON, Charles D. (1913), V. P., The Simplex Mch. Tool Co., Cleveland Natl. Bank Bldg., Cleveland, O.
- GIBSON, Elmer E. (Associate-Member, 1915), Factory Mgr., Newton Mfg. Co., Lynbrook, N. Y., and *for mail*, P. O. Box 6, Saugatuck, Conn.
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- GIBSON, William A. (Associate-Member, 1918), M.E., 719 High St., Newark, N. J.,
- GIBSON, Wm. C. (Associate-Member, 1917), Wks. Mgr., Morrison Bros., 25th and Elm Sts., Dubuque, Iowa.
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- GIELE, Herman F. (1913), Supt. of Fdy., The Grabler Mfg. Co., and *for mail*, 1419 E. 109th St., Cleveland, O.
- GIELE, Walter S. (1908; 1917), V. P., Genl. Mgr., Lebanon Gear & Mch. Wks., 15th and Forge Sts., Lebanon, Pa.
- GIFFELS, John E. W. (Junior, 1916), M. E., John A. Stevens, 8 Merrimack St., Lowell, and *for mail*, 125 Berkeley St., Lawrence, Mass.
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- GIFFORD, Roy W. (1914; 1918), Supt., Toronto Wks., Massey-Harris Co., Ltd., 915 High St. West, and 81 High Pk. Ave., Toronto, Ont., Canada.
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- GILLETTE, Halbert P. (1910), Pres., Myron C. Clark Publishing Co., 608 S. Dearborn St., Chicago, Ill., and 4407 Pine St., Philadelphia, Pa.
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- GILLIES, Wm. F. (1905; 1913), Mgr., Ingersoll-Rand Co., Farmers Bank Bldg., Pittsburgh, Pa.
- *GILLIS, H. A., (1888), Manager, 1901-1904; Major of Ord., U. S. R., War Dept., 210 Higgs Bldg., Washington, and 3711 Keokuk St., Chevy Chase, D. C.
- *GILLIS, Irvin V. (1917), Commander, U. S. Navy, Ret.; Rep. of Am. Shipbuilders, Peking, China, and *for mail*, care of H. A. Gillis, Riggs Bldg., Washington, D. C.
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- GILSON, Henry R. (1914), U. S. Rubber Co., Genl. Lab., 561 W. 58th St., New York, and Highland Park, New Rochelle, N. Y.
- *GILSON, Joseph L. (Junior, 1914), 2nd Lieut., Engrs., U. S. A., 36th Engrs., A. P. O. 714, A. E. F., France, and *for mail*, Liverpool, N. Y.
- GINORIO, Francisco R. (Associate-Member, 1915), Asst. Ch. Engr., The Cuban-Am. Sugar Co., Delicias, Oriente, Cuba.

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- GISH, James A., Jr. (Associate-Member, 1914), Asst. to Ch. Engr., Fuller Engrg. Co., Allentown Natl. Bank Bldg., Allentown, Pa.
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- GLASS, William Clement (Junior, 1912), Woonsocket Mach. & Press Co., Woonsocket, R. I.
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- GLEDHILL, Ernest (Associate-Member, 1918), Foreman Dept., METS., The Remington Arms, U. M. C. Co., Inc., Barnum Ave., and *for mail*, 297 East Ave., Bridgeport, Conn.
- GLEDHILL, Thomas (Associate-Member, 1918), Foreman Dept., N. E. T. L., Remington Arms U. M. C. Co., Inc., Barnum Ave., and *for mail*, 198 Courtland St., Bridgeport, Conn.
- GLENDENNING, W. J. (1918), Cons. Engr., 105 W. 40th St., New York and 667 Ocean Ave., Brooklyn, N. Y.
- GLENN, Charles S. (1906; 1918), Engr., The Solvay Process Co., Detroit, Mich.
- *GLENN, Edward R. (Associate-Member, 1918), 1st Lieut., Ord. R. C., U. S. A., Production Officer, Bethlehem Steel Co. for Ord. Dept., Bethlehem, and *for mail*, 1438 N. 13th St., Philadelphia, Pa.
- *GLENN, Edward R. (1916; Associate-Member, 1918), Lieut., 1438 N. 13th St., Philadelphia, Pa.
- GLENN, John F. (Associate, 1914), N. E. Sales Mgr., Edge Moor Iron Co., 79 Milk St., Boston, Mass.

- *GLIMM, William F., Jr. (Junior, 1917), Prvt., Engrg. Training, Co. E, 7th Regt., Camp A. A. Humphreys, Va., and 155 Clinton Ave., Jersey City, N. J.
- GLUCK, Edward V. (Junior, 1917), Supt. in charge Mfg. Dents., Soapitor Co., 154 W. 14th St., and *for mail*, 1100 W. Farms Rd., New York, N. Y.
- GLYNN, Charles V. (1918), Mech. Engr., Hershey Chocolate Co., and *for mail*, Hershey, Pa.
- GLYNN, Frank L. (Associate-Member, 1913), Supt. of Training Dept., Ord. Dept., Prod. Div., 1710 Market St., Philadelphia, Pa.
- GNADE, Edward R. (1899; 1905), Wks. Mgr., Oil Well Supply Co., Oil City, Pa.
- *GOALWIN, Harry A. (1917; Associate-Member, 1918), Engr. & Member of Firm, Stanton & Goalwin, and *for mail*, 81 Park Ave., New York, N. Y.
- GOBIN, André F. (Associate-Member, 1918), Draftsman, Public Wks., U. S. Navy Yard and *for mail*, 1230 Remsen Ave., Bklyn, N. Y.
- GOCHER, John W. (1909), Supt., Robeson Iron Co., Ltd., Robeson, Berks Co., Pa.
- GODA, Peter H. (1916), Genl. Foreman, L. A. & S. R. R., Ashland, Ohio, and *for mail*, 1119 College St., Fort Wayne, Ind.
- GODDARD, Archibald N. (1913), Pres., Goddard & Goddard Co., 39-45 Congress St., W., and *for mail*, 988 Sheridan Ave., Detroit, Mich.
- GODDARD, Arthur L. (1903), Supt. of Shops, Univ. of Wis., and *for mail*, 1717 Monroe St., Madison, Wis.
- GODEKE, Harry F. (1914), Ch. Engr., Federal Rubber Co., and *for mail*, 511 Packard Ave., Cudahy, Wis.
- GODFREY, Dr. Hollis (1912), Commissioner, Advisory Commission, Council of Natl. Defense, Washington, D. C.; Pres., Drexel Inst., 32nd & Chestnut Sts., Philadelphia, and Cynwyd, Pa.
- GODSON, John A. (Junior, 1917), Draftsman, Williamsburg Power Sta., Brooklyn Rapid Transit System, and *for mail*, 315 Putnam Ave., Brooklyn, N. Y.
- GODWIN, Roy M. (Associate-Member, 1918), M.E., Barrett Co., Frankford, and *for mail*, 5150 Keyser St., Germantown, Philadelphia, Pa.
- GOEBLER, Charles (1913), Asst. Genl. Supt., The De Laval Separator Co., and *for mail*, 49 Corlies Ave., Poughkeepsie, N. Y.
- *GOEDKOOP, Walter C. (Junior, 1916), Corp., 2nd Pioneer Inf., Co. "I," A. P. O. 716, A. E. F., Brest, France, and *for mail*, 715 W. 180th St., New York, N. Y.
- GOELZ, Arnold H. (Associate-Member, 1914), Asst. Mgr., Kroeschell Bros. Ice Mch. Co., 472 W. Erie St., and *for mail*, 4731 Dover St., Chicago, Ill.
- GOENSCH, Otto (Associate-Member, 1917), Dept. Head, West. Elec. Co., Inc., Hawthorne Sta., Chicago, and *for mail*, 1927 S. 49th Ave., Cicero, Ill.
- GOENTNER, William B. (1905; 1914), Supt., McCabe Chem. Co., Charlotte, N. C.
- GOESER, Edwin W. (1917), Ch. Engr., Union Tool Co., Torrance, and *for mail*, 1852 W. 41st Drive, Los Angeles, Cal.
- GOETHALS, Major Genl. George W. (Honorary, 1917), Goethals, Jamieson, Houston & Jay, Inc., 40 Wall St., New York, N. Y.
- GOETTSCHE, Julius (1914), Asst. Genl. Supt., Graham, Anderson, Probst & White, 1417 Ry. Exch. Bldg., Chicago, and *for mail*, 215 N. Grove Ave., Oak Park, Ill.
- GOETZ, Fred W. (Associate, 1909), V. P., Goetz Co., 1802 Clybourn Ave., and *for mail*, 5960 Kenmore Ave., Chicago, Ill.

- GOETZ, John (1916), V. P., Wks. Mgr., Kempsmith Mrg. Co., 45th & Rogers Sts., Milwaukee, and 210 Cedar St., Wauwatosa, Wis.
- GOETZ, Victor J. (1893; 1915), Engr., Goetz Ice Mch. Co., 675 N. 12th St., and 5128 N. Carlisle St., Philadelphia, Pa.
- GOETZE, Frederick A. (1895; 1900), Treas., Comptroller, Columbia Univ., 63 Wall St. and 455 W. 141st St., New York, N. Y.
- *GOETZENBERGER, Ralph L. (Junior, 1916), First Lieut., O. D., U. S. R., Am. Expeditionary Forces; and 2621 Emerson Ave., S., Minneapolis, Minn.
- *GOING, Charles B. (1911), Maj., U. S. A., Office Chief Ord. Officer, A. E. F., A. P. O. 717, France.
- GOIRIGOLZARRI, Manuel (Associate, 1918), Mgr., Havana Marine Railways, Inc., San Pedro 2, and *for mail*, Prado, 77, Havana, Cuba.
- GOLDBERG, Monroe S. (Junior, 1913), Pres., No. Waterproofing Co., 195 Lexington Ave., New York, and 585 E. 22d St., Flatbush, Brooklyn, N. Y.
- GOLEN, M. J. (1892), 320 State St., W. Lafayette, Ind.
- GOLDIE, Alexander R. (Junior, 1902), Mgr., Goldie & McCulloch Co., Ltd., W. Main St., S., Galt, Ont., Canada.
- GOLDINGHAM, Arthur H. (1907), De La Vergne Mch. Co., foot of E. 138th St., and *for mail*, 552 Riverside Drive, New York, N. Y.
- GOLDRICH, Phillip (Junior, 1918), Draftsman, Guarantee Constr. Co., 140 Cedar St., and *for mail*, 2131 Vyse Ave., New York, N. Y.
- GOLDSBOROUGH, Winder E. (1915), Cons. Engr., 358 5th Ave., New York, N. Y.
- GOLDSCHMIDT, Otto E. (1912), Cons. Engr., 116 W. 39th St., and 350 W. 55th St., New York, N. Y.
- *GOLDSMITH, Clarence (1911), Maj., Q. M. C., N. A., Asst. to Officer in charge of Constr. Div., U. S. A., Construction Division of the Army, 7th & B Sts., N. W., and 1400 Fairmont St., N. W., Washington, D. C.
- GOLDSMITH, Geo. H. (Associate, 1918), Genl. Supt., Jas. Hunter Machine Co., and *for mail*, Box 233, North Adams, Mass.
- GOLDSMITH, Lester M. (Junior, 1917), Engr. of Tests, Atlantic Refining Co., 3144 Passyunk Ave., and *for mail*, 2256 N. 13th St., Philadelphia, Pa.
- GOLDSMITH, Nathaniel O. (1900), Genl. Mgr., Weir Frog Co., Cincinnati, and *for mail*, 2319 Monroe Ave., Norwood, O.
- GOLDSMITH, William H., Jr. (1917), Supt. of Lowell Shop, Saco-Lowell Shops and 120 Livingston Ave., Lowell, Mass.
- GOLDTHWAITE, Harry W. (1913), Ch. Engr., Edison Portland Cement Co., Stewartville, N. J., and *for mail*, 705 Ferry St., Easton, Pa.
- GOOD, Edison B. (Junior, 1916), Fondis, Colo.
- GOOD, Paul E. (1915), M. E., Rateau Battu Smoot Co., 140 Cedar St., New York, N. Y., and 407 Linden Ave., Riverton, N. J.
- GOODENOUGH, Walter (1912), Genl. Mgr., Am. Intl. Shipbuilding Corp'n., 140 N. Broad St., Philadelphia, Pa.
- GOODIER, Homer W. (Junior, 1916), Aeronautical M. E., War Dept., Air Bldg., and *for mail*, 202 Sunset Ave., Dayton, O.
- GOODING, Chas. S. (1904), M. E., Pat. Solicitor, 27 School St., Boston, and *for mail*, 116 Marion St., Brookline, Mass.
- GOODLING, H. P. (Associate, 1915), Sales Mgr., A. B. Farquhar Co., Ltd., and 47 N. Queen St., York, Pa.
- GOODMAN, Harry M. (Junior, 1917), Regulator, Fore River Shipbuilding Corp'n., and *for mail*, Box 142, 1220 Hancock, Quincy, Mass.
- GOODMAN, William (1900; 1916), Asst. to V. P., Worthington Pump &

- Mchy. Corp'n., 115 Broadway, New York, N. Y., and Chestnut St., Englewood, N. J.
- GOODRICH, Robert R. (1903), Metallurgist, Univ. of Idaho, and *for mail*, 521 E. Third St., Anaconda, Mont.
- GOODSELL, Charles D. (Junior, 1917), Maintenance Engr., Weston Elec. Instrument Co., Weston Ave. and Waverly Park, and *for mail*, 50 Mapes Ave., Newark, N. J.
- GOODSPEED, Charles A. (Associate, 1917), Trustee, Henry Prentiss & Co., 149 Broadway, New York, N. Y., and 56 Ridge Rd., Rutherford, N. J.
- *GOODSPEED, Charles B. (Associate-Member, 1916), Capt., Ord. Dept., Head of a Mobile Repair Shop, care of Chief Ordnance Officer, A. E. F., France, and *for mail*, 191 E. Walton Place; V. P., The Buckeye Steel Castings Co., 619 Ry. Exch. Bldg., Chicago, Ill.
- GOODWIN, E. Clayton (1915), Treas., Hart & Cooley Co., Booth St., and *for mail*, 4 Forest St., New Britain, Conn.
- *GOODWIN, Guy L. (Associate-Member, 1917), Officers Training Camp, Fortress Monroe, Va.; Supt., Gas Plants, Union Oil Co. of Cal., Orcutt, and *for mail*, Santa Maria, Santa Barbara Co., Cal.
- GOOLEY, Joseph E. (Associate-Member, 1918), Asst. Supt., The Imperial Brass Mfg. Co., and *for mail*, 1833 Addison St., Chicago, Ill.
- GORDON, Albert A., Jr. (1911), Supt., Crompton & Knowles Loom Wks., and 26 Sagamore Rd., Worcester, Mass.
- GORDON, Byron B. (Associate, 1917), Scale Inspr., Pa. R. R., Union Sta., Pittsburgh, Pa., and *for mail*, 1530 Broadway, Logansport, Ind.
- GORDON, Henry D. (1896), M. E., Jenkins Bros., 80 White St., New York, N. Y., and 15 Evergreen Pl., East Orange, N. J.
- GORDON, Leo A. (Associate-Member, 1914), M.E., Fred T. Ley & Co., Inc., 19 West 44th St., New York, N. Y., and *for mail*, 161 Shawmut St., Fall River, Mass.
- GORDON, Rea M. (1902; 1908; 1912), Asst. Mgr., Steam and Testing Dept., Solvay Process Co., and *for mail*, 126 Dorset Rd., Syracuse, N. Y.
- GORDON, Robert J. (Associate-Member, 1918), Power Engr., Box 45, c/o Y. M. C. A., Wilmington, Del.
- GORDON, William (1912), Pres., The Wm. Gordon Corp., Engrs. & Contrs., Real Estate Trust Bldg., Philadelphia, Pa.
- GORDON, William A. (1917), Contr., Engr., Birmingham Iron Fdy., Derby, and *for mail*, 82 Myrtle St., Shelton, Conn.
- GORDON, William J. (1914), Mech. Supt., Internatl. Milling Co., New Prague, Minn.
- GORE, Warren W. (1908), Ch. Engr., Fuller & Johnson Mfg. Co., and *for mail*, 436 Marston Ave., Madison, Wis.
- GORHAM, Howard W. (Associate-Member, 1917), Supvr., Material Depts., Bridgeport Brass Co., and *for mail*, 84 Savoy St., Bridgeport, Conn.
- GORHAM, William R. (Junior, 1912), Gorham Engrg. Co., 127 Mission St., San Francisco, Cal.
- GORTON, Charles E. (1915), Engr., Gorton & Lidgerwood Co., 96 Liberty St., New York, N. Y., and *for mail*, Box 337, Westfield, N. J.
- GORTON, J. C. (1897; 1899), M. E., Union Twist Drill Co., and *for mail*, 123 Ridge Ave., Athol, Mass.
- GOSS, Edward O. (1889; 1906), Genl. Mgr., Scovill Mfg. Co., and *for mail*, 90 Pine St., Waterbury, Conn.
- GOSS, Harry T. (1907), Cons. M. E., Goss & Bryce, 55 Liberty St., New York, N. Y., and 78 Chestnut St., Rutherford, N. J.
- GOSS, Stanley T. (1914), Mch. and Automatic Dept., New Britain Mch. Co., New Britain, Conn.
- GOSS, W. F. M. (1886), Manager, 1900-1903; Vice-President, 1909-

- 1911; President, 1913; Life-Member; Pres., Ry. Car Manufacturers Asso., Rm. 2216, 61 Broadway, and Great Northern Hotel, New York, N. Y.
- GOSSELIN, Edward N. (Junior, 1918), Industrial Engr., Miller Franklin Bassett & Co., 17 Battery Pl., New York, N. Y., and *for mail*, 2213 Bonbright St., Flint, Mich.
- GOTTLIEB, Solomon (Junior, 1918), Dept. Mgr., Am. Lead Pencil Co., and *for mail*, 1309 Garden St., Hoboken, N. J.
- GOUBERT, Auguste A. (1880), 90 West St., New York, N. Y., and Englewood, N. J.
- GOUGH, Achilles G. (1918), Prof. Industrial Arts & Engrg., Idaho Tech. Inst., Box 995, Pocatello, Idaho.
- GOUGH, Charles M. (Associate-Member, 1918), Constr. Dept., Watertown Arsenal, Watertown, and *for mail*, 187 St. Botolph St., Boston, Mass.
- GOULD, Harold I. (Junior, 1918), Asst. Engr., U. S. Govt., Army Supply Base, Boston, and *for mail*, 110 Lincoln St., Worcester, Mass.
- GOULD, Norman J. (1900; 1908), Pres., Goulds Mfg. Co., and 28 Cayuga St., Seneca Falls, N. Y.
- GOULD, Webster V. (1887), Hotel Duncan, New Haven, Conn.
- GOULD, William S. (Associate, 1914), Pres., Fuel Engrg. Co. of N. Y., 106 E. 19th St., New York, N. Y., and 176 Cooper Ave., Montclair, N. J.
- GOULETTE, Jefferson D. (1918), Constr. Engr., Gulf Prod. Co., Box 237, Eastland, Tex., and 229 N. Park St., Shawnee, Okla.
- GOWIE, William (1915), 166 Park Ave., East Rutherford, N. J.
- GRABURN, Arthur L. (1913), Asst. Supt. Rolling Stock, Canadian No. Ry., and *for mail*, 47 Foxbar Rd., Toronto, Ont., Canada.
- GRACE, John F. (1915), Designing Engr., Henry R. Worthington, Harrison, and *for mail*, 76 Quincy Ave., Arlington, N. J.
- GRADE, Oscar W. (1918), M.E., Worthington Pump & Mchy. Corp., Blake & Knowles Wks., East Cambridge, and *for mail*, 54 Wendell St., Cambridge, Mas.
- GRADY, Charles B. (1914), M. E., The N. Y. Edison Co., 124 E. 15th St., New York, N. Y., and 417 Gregory Ave., West Orange, N. J.
- GRADY, James J. (Associate-Member, 1918), Appraiser, Inspc. of Mech. Equipment, Constr. Div. of the Army, 1017 Maritime Bldg., 8 Bridge St., and *for mail*, 448 Central Park West, New York, N. Y.
- GRADY, William H. (1915), Genl. Supt., Am. Creosoting Co., 807 Columbia Bldg., Louisville, Ky.
- GRAEF, Louis F. (Junior, 1918), Draftsman, Amer. Smelting & Refining Co. (Mexican Dept.), 1108 Mills Bldg., El Paso, Texas.
- GRAESSER, Carl F. (Junior, 1914), Sales Engr., Self Winding Clock Co., 161-165 Grand Ave., and *for mail*, 260 Clinton Ave., Brooklyn, N. Y.
- GRAF, John C. (1913; Associate-Member, 1918), Engr., Southwark Fdy. & Mch. Co., 400 Washington Ave., and *for mail*, 327 Ashdale St., Philadelphia, Pa.
- GRAF, Samuel H. (Junior, 1912), Prof. Exper. Engrg., Ore. State Agri. College, Mech. Hall. and cor. 23d and Monroe Sts., Corvallis, Ore.
- GRAFF, Charles E. (1914), Mgr., Stand. Oil Co. of N. J., 26 Broadway, New York, N. Y., and 346 Arlington Ave., Jersey City, N. J.
- GRAFFAM, Walter S. (1914), Mgr., Affa Specialty Co., 34 Southbridge St., Worcester, Mass.
- GRAHAM, George A. (Associate-Member, 1918), Ch. Engr., Naugatuck Chem. Co., and *for mail*, 172 Meadow St., Naugatuck, Conn.
- GRAHAM, Warren W. (Associate-Member, 1918), M.E., Victor Chemical Wks., and *for mail*, Apt. 2, 62 W. 15th St., Chicago Heights, Ill.

- GRAHAM, William H. (1911), Mech. and Met. Supt., N. S. Steel & Coal Co., Ltd., Sydney Mines, N. S., Canada.
- GRANGER, Abbott D. (1915), Pres., A. D. Granger Co., 15 Park Row, New York, and 677 Greene Ave., Brooklyn, N. Y.
- GRANGER, Dean M. (Associate-Member, 1917), Sales Engr., Washburn & Granger, 50 Church St., New York, and *for mail*, 198 Hooper St., Brooklyn, N. Y.
- GRANT, Albert W., Jr. (1913; Associate-Member, 1916), Operating Supt., The Koppers Co., Union Arcade, Pittsburgh, and Beaver & Glen Mitchell Rds., Sewickley, Pa.
- GRANT, Charles C. (Junior, 1910), Asst. M. E., Goodyear Tire & Rubber Co., and *for mail*, 1515 E. Market St., Akron, O.
- GRANT, George P., Jr. (Associate, 1916), Treas., Grant Yarn Co., Fitchburg, and Lunenburg, Mass.
- GRANTIER, Leslie V. (1915), Asst. Ch. Engr., McCord Mfg. Co., and *for mail*, 24 Garfield Ave., Detroit, Mich.
- GRATIOT, James T. (Associate, 1917), Mgr., Coliseum Garage Co., Casper, Wyo.
- GRAUTEN, Sylvester H. (Associate-Member, 1913), Engr., Bd. of Control, Kansas City Rys. Co., 1500 Grand Ave., and 4224 Harrison St., Kansas City, Mo.
- GRAVER, Alexander M. (Junior, 1908), Sales Mgr., Wm. Graver Tank Wks., East Chicago, Ind., and 9911 Longwood Drive, Chicago, Ill.
- GRAVES, James M. (1905; 1915), Supt. Power Stas., Duquesne Light Co., 435 Sixth Ave., Pittsburgh, Pa.
- GRAVES, Louis W. (1914), Asst. Mgr. Shipbldg. Dept., Ferguson Steel & Iron Co., 550 Abbott Rd., and 26 Saybrook Place, Buffalo, N. Y.
- *GRAVES, Ralph I. (Associate-Member, 1915), Maj., Ord. Dept., U. S. A., United Service Club, Dupont Circle, Washington, D. C.
- GRAVES, Walter J. (1917), Safety Engr., Michigan Mutual Liability Co., 1600 Real Estate Exch. Bldg., and 134 Hazelwood Ave., Detroit, Mich.
- *GRAY, H. Liggett (Junior, 1916), Ensign (T), U. S. N., U. S. S. *Montana*, care of Postmaster, New York, N. Y., and 50 W. 86th St., New York, N. Y.
- *GRAY, Henry C. (Junior, 1917), Ensign, U. S. N. R. F., Hoboken, N. J., and *for mail*, 2401 Longest Ave., Louisville, Ky.
- GRAY, James H. (1918), M.E., Metallurgical Engr., 71 Broadway, New York, N. Y.
- GRAY, John Lamont (Associate, 1904), Engr., Shipbuilder, Gray Bros., and *for mail*, Athol, Russell St., Woodville, South Australia.
- GRAY, John Lathrop (1901; 1905), Pres., Bigheart Producing & Refining Co., Rm. 1114, 115 Broadway, New York, N. Y., and 1380 North Ave., Elizabeth, N. J.
- GRAY, John R. (Associate-Member, 1915), Cons. Engr., P. O. Box 222, Crowley, La.
- GRAY, John W. (Junior, 1895), Asst. to Genl. Mgr., Newport News Shipbuilding & Dry Dock Co., 410 Harrison Bldg., and 430 S. 45th St., Philadelphia, Pa.
- GRAY, Niel, Jr. (1903), Prop., Oswego Mch. Wks., and 132 W. 5th St., Oswego, N. Y.
- GRAY, William E. (1907), V. P., Elyria¹ Enameled Products Co., P. O. Box 68, and *for mail*, 220 Washington Ave., Elyria, O.
- GREAGAN, John J. (Associate-Member, 1917), Sales Engr., Allis-Chalmers Mfg Co., Brown-Marx Building, and 2127 Highland Ave., Birmingham, Ala.
- *GREEN, Frederick W. (1913), Lieut. Col., Transport Corps. Genl. Supt., Army Transport Serv., U. S. A., P. O. 701, A. E. F., France.
- GREEN, Harold L. (Junior, 1915), Res. Mgr., Cleveland Office, Scovell,

- Wellington & Co., 808 Illuminating Bldg., and Suite 3, 2221 Cum-
 mington Rd., Cleveland, O.
- GREEN, James B. (1912), Prod. Supt., Lucas Mch. Tool Co., and *for mail*,
 10,608 Kimberly Ave., N. E., Cleveland, O.
- GREEN, Lloyd F. (Junior, 1917), Chief, Piecerate & Bonus Dept.,
 Bethlehem Steel Co., South Bethlehem, Pa.
- GREEN, Samuel M. (1890), Pres., Owner, Samuel M. Green Co., 293
 Bridge St., and 325 Long Hill St., Springfield, Mass.
- GREEN, Thos. W. (1902), M.E., (Blowers & Pumps), 219 Bellevue Ave.,
 Trenton, N. J.
- GREEN, Walter H. (1916), Ch. Engr., Intl. Filter Co., 38 S. Dearborn
 St. and *for mail*, 1727 W. 101st St., Chicago, Ill.
- GREEN, William A. (Associate, 1917), Inland Ordnance Co., and 9511
 Euclid Ave., Cleveland, O.
- GREEN, Wm. O. (1891), Ogden, Sheldon & Co., 192 N. Clark St., and
 1211 Astor St., Chicago, Ill.
- GREENE, Arthur M., Jr. (1895; 1903), Manager, 1913-1916; Vice-
 President, 1916-1918; Prof. M. E., Rensselaer Poly. Inst. and
 "Sunnyslope," Spring Ave., Troy, N. Y.
- *GREENE, Augustine E. (1909), Maj., Ord. Dept., U. S. A., In charge of
 Serv. Dept., Aberdeen Proving Ground, Aberdeen, Md., and S. Wash-
 ington St., Plainville, Conn.
- GREENE, Edwin F. (1918), Pres., Lockwood, Greene & Co., 60 Federal
 St., and 6 Chestnut St., Boston, Mass.
- GREENE, Ernest W. (1901; Associate-Member, 1915), Catton, Neill & Co.,
 Ltd., P. O. Box 324, Honolulu, T. H.
- GREENE, George F. (Junior, 1917), Ass't to Genl. Mgr.; Nazareth Fdy. &
 Mch. Co., and 166 S. Whitfield St., Nazareth, Pa.
- GREENE, Harry T. (Associate-Member, 1916), Safety Engr., Health
 Dept., Fisk Rubber Co., Chicopee Falls, and 108 Phoenix Terrace,
 Springfield, Mass.
- GREENE, Henry F. (1918), Asst. Mgr., Coronet Phosphate Co., Plant
 City, Fla.
- GREENE, Isaac C. (1882; 1886), Life Member; present address unknown.
- GREENE, Levi R. (1893), Cons. Engr., Walworth Mfg. Co., South Boston,
 and *for mail*, 8 Forest St., North Cambridge, Mass.
- GREENFIELD, Benjamin (1918), Engr., Steam Power Dept., Empire Gas
 & Fuel Co., El Dorado, Kan.
- GREENIDGE, Charles A. (1912), Elec. Ltg. Mgr., J. G. White & Co., Inc.,
 43 Exchange Pl., New York, N. Y.
- *GREENLEAF, Geo. E. (1892), Major, O. Bur., U. S. A.; Ch. Engr.,
 Niles-Bement-Pond Co., and 652 W. 8th St., Plainfield, N. J.
- GREENMAN, Edwin G. (1907; 1913), Secy., Treas., Reliable Plumbing &
 Heating Co., 105 N. Walnut St., and *for mail*, 1400 W. Washington
 St., Champaign, Ill.
- GREENMAN, P. Ray (Junior, 1916), Tool Designer, Wright-Martin Air-
 craft Corp'n, and *for mail*, 308 George St., New Brunswick, N. J.
- GREENSMITH, James E. (1892), Pres., Treas., Boston Scale & Mch.
 Co., 381 Congress St., Boston, and *for mail*, 1074 Centre St., New-
 ton Centre, Mass.
- GREENWALD, Louis (Junior, 1916), 2nd Lieut., O. R. C., Coast Artillery,
 and *for mail*, 317 E. 57th St., New York, N. Y.
- GREENWALL, Walter L. (1911), M. E., Nordberg Mfg. Co., and *for*
mail, 583 Russell Ave., Milwaukee, Wis.
- GREENWOOD, Heman C. (Junior, 1918), Erecting Engr., Pelton Water
 Wheel Co., 19th & Harrison Sts., San Francisco, and 916 Paloma Ave.,
 Burlingame, Cal.

- GREENWOOD, Talma T. (Associate-Member, 1917), Patent Solicitor, B. J. Noyes, 40 Court St., Boston, and East Templeton, Mass.
- *GREF, William H. (Junior, 1914), Capt., Ord. Dept., N. A., Frankford Arsenal, and *for mail*, Torresdale Sta., Philadelphia, Pa.
- GREGGER, Henrik (1904; 1915), Asst. Engr., U. S. Shipping Bd., Emergency Fleet Corp., 140 N. Broad St., Philadelphia, and *for mail*, 420 Haverford Ave., Narberth, Pa.
- GREGG, Louis D. (Associate-Member, 1918), V. P. & Treas., The Gregg Co., Ltd., and *for mail*, 345 Summit Ave., Hackensack, N. J.
- GREGG, Robert (Associate-Member, 1916), Secy., Treas., Atlantic Steel Co., P. O. Box 1714, and 960 Ponce de Leon, Atlanta, Ga.
- GREGORY, Wm. B. (1895; 1903), Mgr. 1916-1919; Maj., Engrs., U. S. A., Prof. Exper. Engrg. Tulane Univ.; Irrigation Engr., U. S. Dept. of Agri., 630 Pine St., New Orleans, La.
- GREIST, Alva O. (1917), Asst. Ch. Engr., The Foundation Co., 233 Broadway, and 8 Tyndall Ave., New York, N. Y.
- GREIST, Hubert M. (1915), Secy., Supt., Asst. Genl. Mgr., The Greist Mfg. Co., New Haven, Conn.
- GREIST, Percy R. (1913), Pres., Genl. Mgr., Hamel Shoe Mch. Co., Inc., Haverhill, Mass.
- GRELLE, Charles E. (Junior, 1900), Pres., The Independent Fdy. Co., 743 York St., Portland, Ore.
- *GREMMEL, Henry F. (Junior, 1915), 2nd Lieut., Ord. R. C., Contact Officer in charge of Cannon and Explosives Wk. Orders, Engrg. Bureau, Ord. Dept., 4½ Pennsylvania Ave., Washington, D. C.
- GREMPLE, Charles W. (1912), M. E., 49 W. 37th St., New York, N. Y.
- GRESSLY, Oscar E. (1912), Ch. Engr., Aliquippa Wks., Jones & Laughlin Steel Co., Woodlawn, and 434 East End Ave., Beaver, Pa.
- GREUL, W. Herman (1907), Pres., Standard Plunger Elev. Co., 243 Stafford St., Worcester, Mass.
- GRIDLEY, George O. (1902), Mgr., The Natl. Acme-Mfg. Co., Windsor, Vt.
- GRIEPE, Augustus W. H. (1908), M. E., 707 Prospect Ave., New York, N. Y.
- GRIER, Alexander M. (Associate-Member, 1918), Genl. Mgr., Combahee Co., White Hall, S. C.
- GRIESS, Justin, Jr. (1898; Associate, 1902), Second V. P., The McMyler Interstate Co.; Second V. P., The Inland Ord. Co., and *for mail*, Box 556 Bedford, Cleveland, O.
- GRIEVE, Albert (Associate-Member, 1915), Prof. Mch. Design, Lima Sch. Min. Engrs.; Municipal E. E., Lima City; Owner Factoria y Garage, and *for mail*, Apartado 615, Peru, S. A.
- GRIFFIN, Cecil M. (Junior, 1918), Testing & Erecting, Alberger Pump & Condenser Co., 140 Cedar St., New York and *for mail* 110 Grand St., Newburgh, N. Y.
- GRIFFIN, Charles L. (1893), Asst. Engr., The Solvay Process Co., and *for mail*, 207 Summit Ave., Syracuse, N. Y.
- GRIFFIN, Lorne A. (Associate, 1918), V. P., Am. Steam Conveyor Corp., 326 W. Madison St., Chicago, and 628 Central St., Evanston, Ill.
- GRIFFIN, Perley K. (Associate-Member, 1915), M. E., Harry M. Hope Engrg. Co., 185 Devonshire St., Boston, and *for mail*, 32 Newell Rd., Auburndale, Mass.
- GRIFFITH, Leigh M. (Associate-Member, 1915), Senior Staff Engr., Natnl. Advisory Com. for Aeronautics, D-4227, Fourth St. & Missouri Ave., and *for mail*, Apt. 211, "The Ontario," Washington, D. C.
- GRIFFITHS, Leonard L. (1905; 1908), 701 Broadway, Long Branch, N. J.
- GRIFFITHS, William H. (1918), Mch. Gun Expert, Remington Arms

- U. M. C. Co., Remington Bridgeport Wks., and *for mail*, 347 Golden Hill St., Bridgeport, Conn.
- GRIMES, Lester A. (Associate-Member, 1914), Pres., U. S. Automatic Sprinkler Co., 1392 Lexington Ave., New York, N. Y., and 97 Day St., Orange, N. J.
- GRIMM, Paul H. (1890), Ch. Engr., Arbuckle Bros., foot of Jay St., Brooklyn, and Glen Cove, L. I., N. Y.
- GRIMMER, Frederic H. (Associate-Member, 1918), Supt., Mach. Shop. Cameron Mach. Co., 61 Poplar St., Brooklyn, and *for mail*, 196 21st St., Flushing, N. Y.
- GRING, Wilbur D. (Junior, 1917), Supt. M. P., Newport & Sherman's Valley R. R. Co., Newport, Pa.
- *GRISBAUM, Leonard D. (Junior, 1917), Navy Reserve Corps, Marine Engrs. Tr. Sch., Hoboken, N. J., and *for mail*, Mrs. L. D. Grisbaum, care of C. C. Heller, Beaverdam, O.
- GRISSINGER, Elwood (1912), Cons. E. and M. E., 293 Lexington Ave., Buffalo, N. Y.
- GRISWOLD, F. M. (1914), Genl. Inspr., The Home Ins. Co., 56 Cedar St., New York, and 61 Euston Rd., Garden City, L. I., N. Y.
- GRISWOLD, Harry J. (Associate, 1913), Mgr., MacGovern & Co., Inc., 285 Beaver Hall Hill, and 84 Percival Ave., Montreal, W., Que., Canada.
- GRISWOLD, Howard L. (1915; 1918), V. P., The O. G. Roberts Co., 933 E. Gay St., and *for mail*, 146 N. Monroe Ave., Columbus, O.
- GROAT, Benjamin F. (1918), Cons. Hyd. Engr., 2400 Oliver Bldg., Pittsburgh, Pa.
- *GROBLI, Walter A. (Junior, 1916), Prvt., Medical Dept., Detached Q. M. Serv., Genl. Hospital No. 12, Biltmore, N. C., and *for mail*, 605 W. 156th St., New York, N. Y.
- GROENE, William F. (1908), Ch. Draftsman, Designer, The R. D. LeBlond Mch. Tool Co., Sta. O, Madison & Edwards Rd., Cincinnati, and 1311 Delta Ave., Hyde Park, Cincinnati, O.
- GROFF, Howard M. (Associate-Member, 1917), Gage Expt., Frankford Arsenal, Bridesburg Sta., and *for mail*, 5022 Frankford Ave., Philadelphia, Pa.
- GROHMANN, Carl L. (1898), Ch. Engr., Pratt & Whitney Co., and *for mail*, 21 Beverly Rd., Hartford, Conn.
- GRONBECH, Christian E. A. (Associate-Member, 1918), Supt. & Asst. Factory Mgr., C. J. Tagliabue Mfg Co., 32-88 33rd St., Brooklyn, and *for mail*, 1843 Woodhaven Ave., Woodhaven, L. I., N. Y.
- GROOT, John W. de (Junior, 1916), Ballistic Inspec., Ord. Dept., U. S. A., Remington Arms U. M. C. Co., Bridgeport, Conn., and *for mail*, 28 Hubbard Place, Brooklyn, N. Y.
- GROSNER, Gerald D. (Junior, 1916), M.E., Sharples Specialty Co., and *for mail*, Y. M. C. A., West Chester, Pa.
- GROSSHEIM, Max K. (Associate-Member, 1917), Ch. Engr., L. O. Koven & Bros., 154 Ogden Ave., and *for mail*, 1 Booream Ave., Jersey City, N. J.
- GROSSMANN, Albert (1903), Cons. Engr., 112 Marlborough Rd., Brooklyn, N. Y.
- GROTHER, Walter (1917) Engr., C. L. Best Gas Traction Co., San Leandro, Cal.
- GROUT, Alvan L. (Junior, 1915), 66 Marlboro Ave., Springfield, Mass.
- GROVE, William G. (1918), Asst. Engr., Am. Bridge Co., 30 Church St., New York, N. Y.
- GROVER, Atwood H. (Junior, 1914), M.E., Wharton Steel Co., Wharton, and P. O. Box 188, Rockaway, N. J.

- GROVER, Charles L. (Junior, 1913), Ch. Draftsman, Bethlehem Loading Co., Mays Landing, N. J.
- GROVER, Marcus A. (1903; 1909), Asst. M. E., Tenn. Coal, Iron & R. R. Co., Bessemer, and *for mail*, P. O. Box 590, Birmingham, Ala.
- GROW, Harold J. (Junior, 1918), Asst. Foreman, Welding Dept., Bethlehem Shipbldg. Corp., and *for mail*, 907 Delaware Ave., Wilmington, Del.
- GROW, Joseph A. (Associate-Member, 1918), Wks. Engr., U. S. & Cuban Allied Wks. Engrg. Corp., and *for mail*, 199 South Ave., Bradford, Pa.
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- *GRUNERT, Arthur E. (Junior, 1915), Capt., Co. "D," 4th Engrs., A. E. F., France, and 3438 Broadway, Chicago, Ill.
- *GRUNWELL, Paul Clifton (Associate-Member, 1913), 1st Lieut., Ord. Dept., U. S. A., Engrg. Div., Ord. Engrg. Bldg., 6th & Missouri Ave., S. W., and 924 23rd St., N. W., Washington, D. C.
- GRUPE, William F. (Junior, 1913), Mgr., Boucher Cork & Mch. Co., 216-22 W. 18th St., New York, N. Y., and 6 De Soto Pl., Hudson Heights, N. J.
- GUBA, Philip M. (Junior, 1915), N. Y. Sales Mgr., The Donner Steel Co., 120 Broadway, New York, N. Y.
- GUBELMAN, Frederick J. (Associate, 1895), Pres., Regina Co., East, Constr. Co., 47 W. 34th St., New York, N. Y., and Woodlawn Ave., Englewood, N. J.
- GUCKER, F. T. (1918), Secy., Treas. & Genl. Mgr., The John T. Dyer Quarry Co., 216 Harrison Bldg., Philadelphia, Pa.
- GUDHEIM, Harry E. (1914), Assoc. Prof. Graphics, Va. Poly. Inst., Blacksburg, Va.
- GUELBAUM, David (1894; 1905), M. E., P. O. Box 293, Syracuse, N. Y.
- *GUEST, W. E. (Junior, 1917), Capt., Ord. Dept., Watertown Arsenal, Watertown, Mass.
- GUETHING, Theodore H., (Junior, 1917), Asst. to John A. Stevens, Engr., Lowell, Mass., and *for mail*, Hollis, N. H.
- GUILLO, Harry P. (1912), Supt., Geo. H. Morrill Co., and 31 Hoyle St., Norwood, Mass.
- *GUISE, Hiram B. (1912), Maj., Ord. R. C., In France; Address Unknown.
- *GUITERAS, Julian G. (Junior, 1916), Capt., Corps of Engrs., A. E. F., France, and *for mail*, care of Mr. Carolos Diaz, 536 W. 113th St., New York, N. Y.
- GULDILIN, Olaf N. (1905), Pres., Genl. Mgr., The West. Gas Constr. Co., and 2306 Fairfield Ave., Fort Wayne, Ind.
- GULICK, Henry (1915), Pres., Gulick-Henderson Co., 21 Park Row, and 11 Cyprus Ave., New York, N. Y.
- GULLIVER, Albert E. (Associate-Member, 1917), Ch. Engr., Angus Power Plant, Canadian Pacific Ry. Co., and *for mail*, 200 Peel St., Montreal, P. Q., Canada.
- GULOWSEN, G. A. (1897), Draftsman, The Babcock and Wilcox Co., Bayonne, N. J., and *for mail*, Huguenot Park, S. I., N. Y.
- GUMP, Walter B. (Junior, 1902), Industrial Engr., R. R. Donnelley & Sons Co., and *for mail*, 2nd Apt., West, 3964 Ellis Ave., Chicago, Ill.
- GUNAGAN, Richard H. (1911), M. E., Asst. Supt., The Fidelity & Casualty Co., 92 Liberty St., New York, and *for mail*, 108 Albany Ave., Brooklyn, N. Y.
- *GUNBY, Frank M. (1915), Col., Q. M. C., Cantonment Div., Q. M. G. O., Washington, D. C., and *for mail*, 201 Devonshire St., Boston, Mass.

- GUNDLACH, Carl E. (1918), Ch. Engr., Geo. Schautz Engrg. Co., 860 Seneca St., and *for mail*, 256 Wyoming Ave., Buffalo, N. Y.
- GUNKEL, Frederick H., J. (Junior, 1916), Member of Plant Engr. Force, Am. Telephone & Telegraph Co., Rm. 1008, 195 Broadway, New York, N. Y., and *for mail*, 82 Woodward Ave., Rutherford, N. J.
- GUNN, Charles M. (1911), Member of Firm, Wood, Huddart & Gunn, 444 Market St., San Francisco, and 22 Sunshine Ave., Sausalito, Cal.
- GUNN, Thomas McC. (1911), Ch. of Specification Branch, Engrg. Sec., Emergency Fleet Corp., 140 N. Broad St., and *for mail*, 908 Pine St., Philadelphia, Pa.
- GUNNING, Wm. A. (Associate-Member, 1917), Head Draftsman, Am. Optical Co., and *for mail*, 31 Marcy St., Southbridge, Mass.
- GUNTHER, Charles O. (1900; Associate, 1905), Prof. Math., Stevens Inst. of Tech.; Cons. Engr., Spec. in Chimney Design and Constr., P. O. Box 77, Hoboken, N. J.
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- GURNEY, Erving R. (1913), Asst. Engr., Knox Motors Co., and *for mail*, 372 Sumner Ave., Springfield, Mass.
- GURNEY, Howard F. (1914), Pres., Gurney Elec. Elev. Co., Honesdale, Pa.
- GUSTAFSON, Alfred O. (Junior, 1918), Tool Engr., Locomobile Co. of Am., Bridgeport, and *for mail*, 19 Church St., Branford, Conn.
- GUSTAFSON, Lewis (Associate, 1914), Supt., The David Ranken, Jr., Sch. of Mech. Trades, 4420 Cook Ave., and 5866 Julian Ave., St. Louis, Mo.
- GUSTAVUS, Charles W. (Junior, 1918), Office of Engr., South Yard, New York Shipbuilding Corp'n, Camden, N. J.
- GUTEKUNST, Frederick C. (Associate-Member, 1916), Prod. Engr., International Arms & Fuze Co., Bloomfield & Grove Sts., Bloomfield, N. J., and *for mail*, 6100 Torresdale Ave., Philadelphia, Pa.
- GUTEKUNST, Leonard (Junior, 1918), M. E., De Long Hook & Eye Co., Broad & Wallace Sts., and *for mail*, 2062 E. Albright St., Philadelphia, Pa.
- GUTHRIE, Bayard (1918), Supt. of Crucible Wks., Crucible Steel Co. of Am., 35th St. and A. V. R. R., Pittsburgh, Pa.
- GUTHRIE, J. F. (Junior, 1917), M.E., The Abrasive Co., Bridesburg, Philadelphia, and *for mail*, 47 W. Ashmead Pl., N., Germantown, Pa.
- *GUTHRIE, James (1916), Maj., Ord. Dept., U. S. A., Engrg. Mgr., Detroit Dist., Rm. 820, Book Bldg., Detroit, Mich.
- GUTHRIE, Robert G. (Junior, 1918), Engr., Curtiss Aero. & Motor Corp., and *for mail*, 138 Lancaster Ave., Buffalo, N. Y.
- GWILLIAM, George T. (1891), Pres., The Gwilliam Co., 253 W. 58th St., New York, N. Y., and The Union League, Philadelphia, Pa.
- HAAR, Selby (1912), Elec. & Mec. Engr., 2040 Seventh Ave., New York, N. Y.
- *HAASIS, Paul W. (Junior, 1916), Flying Cadet, Squadron 65, S. M. A., Avia. Barracks, Berkley, Cal.
- HACH, Clarence A. (Associate-Member, 1918), M. E., Western Elec. Co., Hawthorne Sta., Chicago, and *for mail*, 209 Pleasant St., Oak Park, Ill.
- HACKSTAFF, Frederick W. (Junior, 1907), Mgr. Marine Dept., Am. Mfg. Co., Noble & West Sts., and 1162 Union St., Brooklyn, N. Y.
- HACKSTAFF, John D. (1901; 1917), Genl. Mgr., Empire Pipeline Co., Bartlesville, Okla.
- HADAWAY, John B. (1912), Cons. Engr., Exper. Dept., United Shoe

- Mchy. Corp., 205 Lincoln St., Boston, and *for mail*, 120 Elmwood Rd., Swampscott, Mass.
- HADFIELD, Sir Robert A., F. R. S. (1907), Chairman, Hadfield Co., Sheffield, and 22 Carlton House Terrace, London, S. W., England.
- HADLEY, Fred V. (1916), Tate-Jones & Co., Inc., 50 Church St., New York, N. Y., and 821 Beacon St., Boston, Mass.
- HADLEY, Samuel L. (1916), Mgr., Mfg. and Sales Dept., Fairbanks, Morse & Co., 900 S. Wabash Ave., Chicago, and Hindman and Kedzie Ave., Evanston, Ill.
- HADLEY, Warren B. (1914), E. E., Dist. of Columbia, District Bldg., and 3031 Seventh St., N. E., Washington, D. C.
- HADLOW, H. Ralph (1916), V. P. & M. E., The Watson Engrg. Co., 1101 Hippodrome Bldg., and 1808 Garfield Rd., East Cleveland, O.
- HAFER, Geo., Jr. (1914), Civilian. Chem. Warfare Serv., Ch. Mech. Unit., Am. Univ. Exper. Sta., Washington, D. C.; Tech. Engr., Am. Potash Corp., 120 Broadway, and *for mail*, 37 Madison Ave., New York, N. Y.
- HAFF, R. E. T. (Junior, 1912), Engr., E. I. du Pont de Nemours & Co., du Pont Bldg., and 913 Park Pl., Wilmington, Del.
- HAGADORN, Thos. H. X. (Junior, 1918), Draftsman, Empire Tire & Rubber Co., Clinton Ave. & Nottingham Way, Trenton, and *for mail*, 45 University Pl., Princeton, N. J.
- HAGAR, Arthur P. (1907; 1912), Engr. Marine Dept., Safety Car Htg. & Ltg. Co., 2 Rector St., New York, N. Y., and *for mail*, 458 Clifton Ave., Newark, N. J.
- HAGEMANN, George E. (Junior, 1914), Draftsman & Engr., Warren Fdy. & Mch. Co., Sitgreaves St., Phillipsburg, N. J., and *for mail*, 1094 Berwick St., Easton, Pa.
- HAGEN, Harold F. (Associate-Member, 1914), Mgr. of Research, B. F. Sturtevant Co., Hyde Park, and *for mail*, 31 A Asticon Road, Jamaica Plain, Mass.
- HAGENAH, Rudolph E. (1916), Ch. Engr. of Sta., The N. Y. Steam Co., 280 Madison Ave., and 463 W. 159th St., New York, N. Y.
- HAGER, Edward C. (1912), Asst. Supt., M. and C. The Solvay Process Co., and *for mail*, 522 Summit Ave., Syracuse, N. Y.
- HAGERTY, Walter W. (Junior, 1905), Roessler & Hasslacher Chem. Co., Perth Amboy, N. J., and 720 Quincy St., Brooklyn, and *for mail*, Tottenville P. O., S. I., N. Y.
- HAGGERTY, Edward D. (Associate-Member, 1915), Supv. Safety Engr., Employers' Mutual Ins. Co. of N. Y., 61 Broadway, New York, N. Y.
- HAGLUND, Gustav (1909; Associate-Member, 1916), Pub. Serv. Elec. Co., Newark, N. J., and *for mail*, 402 Ocean Ave., Brooklyn, N. Y.
- HAGMAN, W. J. (1901), Genl. Mgr., Bement Miles Wks., Niles Bement Pond Co., 21st and Callowhill Sts., and Sunderland House, Philadelphia, Pa.
- HAGSTROM, Harry O. (Junior, 1913), Mgr., Elev. Supplies Co., Inc., 922 Bulletin Bldg., Philadelphia, and Elkins Park, Pa.
- HAGY, J. Lawrence (1901; 1916), Engr., Instr., 17th and Wood Sts., Philadelphia, and *for mail*, 917 Wynnewood Rd., Overbrook, Pa.
- *HAHN, Conrad V. (Junior, 1915), 1st Lieut., Ord. Dept., U. S. A., Constr. Sec., Property Dept., Aberdeen Proving Ground, Md.
- HAIGH, Gilbert R. (1915), Mgr., Saginaw Zone Office, U. S. Ord. Dept., Saginaw, and 1315 Ford Bldg., and *for mail*, 750 Lakewood Blvd., Detroit, Mich.
- HAIGHT, Harry V. (1899; 1907), Ch. Engr., Canadian Ingersoll-Rand Co., Ltd., and *for mail*, 30 Portland Ave., Sherbrooke, Que., Canada.
- HAINES, Edward P. (1907), 1827 N. Bouvier St., Philadelphia, Pa.

- HAINES, Henry S. (1893), Manager 1896-1899; 1154 Worthington St., Springfield, Mass.
- HAINES, J. Edgar (Junior, 1916), Supv. Draftsman, Duquesne Light Co., Rm. 914, 435 6th Ave., and *for mail*, 5823 Nicholson St., Pittsburgh, Pa.
- *HAINES, Philip G. (Junior, 1913), Prvt., Co. "E," 112th Regt., U. S. Engrs., A. E. F., France.
- HALAMA, Frederick D. (Junior, 1917), Mech. Draftsman, Pub. Wks. Dept., Norfolk Navy Yard, Norfolk, and *for mail*, Y. M. C. A., Portsmouth, Va.
- HALBFASS, Arnold J. (Associate-Member, 1915), Mech. Designer, The American Sugar Refining Co., 117 Wall St., New York, N. Y., and R. F. D. No. 1, Box 76, Princess Bay, S. I., N. Y.
- HALDEMAN, Paul C. (1906; 1918), M. M., Lukens Iron & Steel Co., and *for mail*, 536 Chestnut St., Coatesville, Pa.
- *HALE, Henry A., Jr. (Associate-Member, 1915), Capt., Chem. Warfare Serv., U. S. A., Camp Kendrick, Lakehurst, N. J., and 65 Kilby St., Boston, Mass.
- HALE, Herbert C. (1904), Plant Secy., Hale-Stephen Co., 500 Schofield Bldg., and *for mail*, 1876 Taylor Rd., Cleveland, O.
- HALE, Richard A. (1917), Prin. Asst. Engr., Essex Company, and Cons. Engr., Lawrence, Mass.
- HALE, Robert M. (1912), M.E., Minerals Separation North Am. Corp'n., 220 Battery St., and 972 Bush St., San Francisco, Cal.
- HALE, Robert S. (1894; 1897; 1899), Supt. Spec. Research Dept., Edison Elec. Illum. Co. of Boston, 39 Boylston St., and *for mail*, 939 Boylston St., also 209 Bay State Rd., Boston, Mass.
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- HALL, John A. (1916), Pres., Hall Mch. Co., Elizabeth, and 116 6th Ave. E., Roselle, N. J.
- HALL, Keppele (1914), Cons. Engr., Finance Bldg., S. Penn Sq., Phila., Pa., and 1448 Park Rd., Washington, D. C.
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- HALL, Walter A. (1911), Asst. to Mgr., General Elec. Co., West Lynn, and 15 Hardy Rd., Swampscott, Mass.

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- HALL, Winthrop G. (1915), Genl. Supt., Spencer Wire Co., 91 Webster St., and 46 Tirrell St., Worcester, Mass.
- HALLADAY, Calvin L. (1914), Care of Auto Industries Committee, 509 7th St., N. W., Washington, D. C.
- HALLADAY, Harry F. (1903; 1913), Asst. Ch. Engr., N. Y. Air Brake Co., and *for mail*, 1134 Boyd St., Watertown, N. Y.
- HALLENBECK, George E. (1908), M. E., Baker Bros., Post St., and Westlake Ave., and 2403 Lawrence Ave., Toledo, O.
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- HALLER, Winfield A. (1912), Pres., Haller Car & Loco. Corp., Suite 2821, 120 Broadway, New York, N. Y.
- HALLIDAY, William R. (1913), Asst. Prof. Mechanism and Mch. Design, Stevens Inst. of Tech., Hoboken, and 37 Early St., Morristown, N. J.
- HALLOCK, Homan F. (1910; Associate-Member, 1916), M. E., The Diamond Match Co., and *for mail*, 65 W. 4th St., Oswego, N. Y.
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- HALLORAN, Ralph A. (Associate-Member, 1918), Gas Engr., Prod. Dept., Stand. Oil Co. of Cal., Whittier, Cal.
- HALPIN, James F. (Associate, 1918), Supt. of Tube & Rod Mills, Bridgeport Brass Co. (Union Branch), and *for mail*, 560 Brooks St., Bridgeport, Conn.
- HALSEY, Frederick A. (1882), Commissioner, Am. Inst. of Weights & Measures, 20 Vesey St., and *for mail*, 356 W. 120th St., New York, N. Y.
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- HALYBURTON, Frederick J. (Associate-Member, 1915), Hampton, N. J.
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- HAMAKER, Rex G. (Junior, 1917), Gang Pusher, Standard Oil Co., Drawer "J," Whittier, Cal.
- HAMBROCK, Oscar F. (Junior, 1917), Machinist, Pa. Western Lines, and *for-mail*, 2818 S. Clinton St., Ft. Wayne, Ind.
- HAMERSTADT, William D. (Junior, 1907), Engr., The Rockwood Mfg. Co., and *for mail*, 1501 Central Ave., Indianapolis, Ind.
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- HAMILTON, Ernest A. (1916), Sales Mgr. Northeast Dist., Nelson Valve Co., Yarnall Waring Co., 46 Dey St., New York, N. Y., and *for mail*, 15 Buckfield Ave., Cranford, N. J.
- HAMILTON, Henry A. (Associate-Member, 1915), Asst. Mgr., Mengel Box Co., Box 36, Five Corners Sta., and *for mail*, 54 Magnolia Ave., Jersey City, N. J.

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- HAMILTON, John W. (1914), Pres., Hamilton & Chambers Co., Inc., 29 Broadway, New York, and 96 1/2 Hicks St., Brooklyn, N. Y.
- HAMILTON, Kenneth D. (Junior, 1916), M.E., Geo. E. Keith Co., Station Ave., and *for mail*, 11 Cushing Ave., Campello, Mass.
- HAMILTON, Ralph B. (1907), Pres., The Packard Elec. Co., Ltd.; Pres., The Cary Safe Co. of Buffalo, N. Y.; Pres., The Packard Fuse Co., Ltd., and 30 Bellevue Terrace, St. Catharines, Ont., Canada.
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- HAMMER, Alfred E. (1884), Treas., Genl. Mgr., Malleable Iron Fittings Co., Branford, Conn.
- HAMMER, Edwin W. (1913), Cons. E. and M. E., Pat. Expt., Solicitor of Patents, 160 Broadway, and 876 Park Ave., New York, N. Y.
- HAMMERS, Morgan J. (1914), Pres., Doble-Detroit Steam Motors Co., 4th & Porter Sts., and 301 Virginia Park, Detroit, Mich.
- HAMMERSTROM, Wm. G. (Associate-Member, 1918), Chief Engr., Lynchburg Fdy. Co., and *for mail*, 226 Lansing Ave., Lynchburg, Va.
- HAMMETT, Hiram G. (1888), Prop., Hammett Mch. Wks., 466-482 Eighth St., and 27 Second St., Troy, N. Y.
- HAMMETT, Philip M. (1910), Supt. M. P., Me. Central R. R. Co., 242 St. John St., and *for mail*, 41 Thomas St., Portland, Me.
- HAMMOND, Harry S. (Associate-Member, 1914), Sales Agt., Pressed Steel Car Co., P. O. Box 53, and 525 Roslyn Pl., Pittsburgh, Pa.
- HAMMOND, John H. (1910), Min. Engr., 120 Broadway, New York, N. Y., and 2301 Kalorama Rd., Washington, D. C.
- HAMMOND, John H., Jr. (Associate-Member, 1916), Inventor, Gloucester, Mass.
- HAMMOND, Myram H. (1911), Genl. Mgr., Compania Argentina de Cemento Portland, Buenos Aires, Argentine, S. A.
- HAMMOND, Richard (1890), 413 Porter Ave., Buffalo, N. Y.
- HAMNER, Charles S. (1901), Cons. Engr., 35 Nassau St., New York, N. Y., and Elizabeth, N. J.
- HAMPSON, Donald A. (Associate-Member, 1916), Mech. Exec., Morgan & Wilcox Mfg. Co., 69 Hanford St., and *for mail*, 31 Hanford St., Middletown, N. Y.
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- *HANDS, Ronald C. (1914; Associate-Member, 1917), 1st Lieut., Ord.

- Dept., U. S. A., Prod. Officer, Savage Arms Corp., Turner St., Utica, N. Y., and 400 Ogden St., Bridgeport, Conn.
- *HANEY, James B. (Junior, 1905), Capt., Ord. R. C., Care of Chief Ord. Officer, A. E. F., France, and 610 Prospect St., Bethlehem, Pa.
- HANEY, Jiles W. (Associate-Member, 1914), Asst. Prof. of Mech. Engrg., Dept. of Mech. Engrg., Univ. of Nebraska and 945 S. 35th St., Lincoln, Neb.
- HANKIN, John. (1913), Pres., John Hankin & Bro., 550 W. 25th St., New York, N. Y., and 15 Carlton Pl., Passaic, N. J.
- HANKISON, Lewis E., (Associate-Member, 1916), Supt. Power Stas., West Penn Power Co., Connellsville, Pa.
- HANKS, Henry M. (1913), Ch. Insp., Bridgeport Brass Co., Bridgeport, and *for mail*, 486 Ellis St., Devon, Conn.
- HANLEY, William A. (Associate-Member, 1913), M. M., Ch. Engr., Eli Lilly & Co., and 3269 Park Ave., Indianapolis, Ind.
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- HANNIFIN, A. V. (Associate-Member, 1917), Secy., Treas., Hannifin Mfg. Co., 621 So. Kolmar Ave., and 4835 W. Jackson Blvd., Chicago, Ill.
- HANNUM, John P. (Associate-Member, 1917), Du Pont Engrg. Co., and *for mail*, 140 Delmas Ave., Nashville, Tenn.
- HANSCOM, William W. (1913), Cons. Engr., 848 Clayton St., San Francisco, Cal.
- HANSEN, Anton (Associate-Member, 1915), Efficiency Engr., Crane Co., and *for mail*, 468 Anson St., Bridgeport, Conn.
- HANSEN, Carl M. (1914), Secy., American Re-Insurance Co., and 300 Penn. Ave., Huntington, Pa.
- *HANSEN, Frederick D. (Junior, 1917), Capt., Ord. Dept., U. S. A., Aberdeen Proving Ground, Aberdeen, Md., and *for mail*, 425 West End Ave., New York, N. Y.
- HANSEN, Herbert C. (Junior, 1916), Supt., Bristol Gas & Elec. Co., Watauga Power Co., Bristol, Va.-Tenn., and 412 Sixth St., Bristol, Tenn.
- HANSEN, J. Heyerdahl (1915), Mgr., J. H. Hansen & Co., Balboa Bldg., and 158 Devisadero St., San Francisco, Cal.
- HANSEN, Thorvald H. C. (1905), M.E., A. O. Smith Co., 27th St. & Keefe Ave., and *for mail*, 341 26th Ave., Milwaukee, Wis.
- HANSHEW, George O. (Associate-Member, 1914), Designer, Internatl. Motor Co., 64th St. and West End Ave., New York, and *for mail*, 1233 St. Johns Pl., Brooklyn, N. Y.
- HANSOM, Henry (Associate-Member, 1918), Supt. of Mch. Dept., Wilcox Crittenden & Co., Inc., 134 Mt. Vernon St., Middletown, Conn.
- HANSON, B. M. W. (1900), V. P., Genl. Mgr., Colt's Patent Fire Arms Mfg. Co., and *for mail*, P. O. Box No. 35, also 122 Tremont St., Hartford, Conn.
- HANSON, Fred P. (1917), Shop Supt., Engr., Am. Gold Dredging Co., P. O. Box K, and *for mail*, 1318 Montgomery St., Oroville, Cal.
- *HANSON, John J. (1915; Associate-Member, 1918), 1st Lieut., Ord. R. C., Inspect. Sect., Carriage Div., Care of Army Inspector of Ord., Minn. Steel & Mch. Co., Minneapolis, Minn.
- HANZLIK, Henry J. (1903; 1910), Cons. Engr., Kerr Turbine Co., and *for mail*, 281 N. Main St., Wellsville, N. Y.
- HARBESON, James P., Jr., (Associate-Member, 1918), Plant Engr., Camden Forge Co., Camden, N. J.
- HARD, Malcolm (1918), M.E., Nathan Mfg. Co., and *for mail*, State & 28th Sts., Flushing, L. I., N. Y.

- HARDEN, F. Walter (Associate-Member, 1914), Senior Inspec., U. S. Shipping Board, Emergency Fleet Corp., and *for mail*, 2302 J St., Eureka, Cal.
- *HARDER, Lewis F. (Junior, 1915), Capt., 302nd Engrs., Co. "C"—77th Div., A. E. F., France, and *for mail*, Philmont, Columbia Co., N. Y.
- HARDESTY, Frederick S. (Associate, 1913), Cons. Engr., 409 Riggs Bldg., and 2029 Connecticut Ave., Washington, D. C.
- HARDING, Adalbert (Junior, 1898), 50 Church St., New York, N. Y., and *for mail*, Short Hills, N. J.
- HARDING, Arthur B. (Junior, 1918), Constr. Engr., U. S. Cast Iron Pipe & Fdy. Co., Burlington, N. J.
- HARDING, Frank W. (1896), Cons. Engr., Mgr., Rubber Mchy. Shops, Canadian Consld. Rubber Co., Ltd., Canadian Consld. Felt Co., and 22 Maynard Ave., Kitchener, Ont., Canada.
- HARDING, Harry N. (Associate, 1913), Norton Grinding Co., Worcester, Mass., and *for mail*, 356 Islington St., Portsmouth, N. H.
- HARDING, Howard (Associate-Member, 1914), Asst. Engr., Rochester Ry. & Light Co., 34 Clinton Ave., N., and *for mail*, 566 Hayward Ave., Rochester, N. Y.
- HARDING, J. Morgan (Junior, 1911), Genl. Sales Dept., The Aluminum Castings Co., 6205 Carnegie Ave., and 2366 Stillman Rd., Cleveland, O.
- HARDING, Louis A. (1913), Mem. of Firm, Ch. Engr., The John W. Cowper Co., Inc., Fidelity Bank Bldg., and 55 Bidwell Parkway, Buffalo, N. Y.
- HARDMAN, Frederick J. (Junior, 1914), Pat. Atty., Dayton Engrg. Lab. Co., and Cooper Seminary, Dayton, O.
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- HARDY, Clement A. (1915), Cons. Engr., Rm. 654, Railway Exchange, and *for mail*, 5458 Everett Ave., Chicago, Ill.
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- HARGRAVE, Hugh H. (1915), Engrg. Dept., Cork Crown & Seal Co. of Baltimore, and *for mail*, 2238 Cecil Ave., Baltimore, Md.
- HARGRAVE, Russell W. (1899; 1914), Production Engr., The Regina Co., and *for mail*, 27 New Brunswick Ave., Rahway, N. J.
- HARGREAVES, Robert C. (Junior, 1910), Secy., Highways Transport Comm., Council of Natnl. Defense, and 3725 Livingstone St., Washington, D. C.
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- *HARKNESS, V. F. (Junior, 1916), Lieut., U. S. N. R. F., Philippine Islands.
- HARLAN, Jesse R. (Junior, 1918), Sales Engr., The Stuebing Truck Co., 141 E. Fourth St., Cincinnati, O.
- HARLEMAN, Samuel T. (1913), Asst. to Secy., Atlas Crucible Steel Co., Howard Ave., Dunkirk, N. Y., and 311 York Ave., Towanda, Pa.
- HARLEY, G. Townsend (Associate-Member, 1917), Efficiency Engr., Phelps Dodge Corp., Burro Mt. Branch, Tyrone, N. Mex., and 911 Santa Fe Ave., Pueblo, Colo.

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- HARLOW, Archibald S. (Associate-Member, 1916), M.E., Lybrand, Ross Bros. & Montgomery, 50 Congress St., Boston, Mass., and Walden, Orange Co., N. Y.
- HARLOW, Justin E. (1913), Clinton Sugar Ref. Co., Clinton, Ia.
- HARMAN, John J. (1906; 1909; 1912), C. E., Kewanee Wks., Walworth Mfg. Co., Kewanee, Ill.
- HARMAN, William H. (Associate, 1906), Pres., Southwark Fdy. & Mch. Co., 400 Washington Ave., Philadelphia, and 3 Wynnewood Ave., Merion, Pa.
- HARPER, C. W. (Junior, 1914), M.E., c/o Hansell Elcock Co., Archer & Normal Aves., Chicago, and 515 Illinois Ave., Peoria, Ill.
- HARPER, John (1907), Ch. Draftsman, West. Elec. Co., Hawthorne Sta., Chicago, and 304 Eighth Ave., La Grange, Ill.
- HARPER, John L. (1906), Ch. Engr., Hyd. Power Co., Cliff Elec. Dist. Co., Niagara Falls, and Lewiston, N. Y.
- HARPER, Philip S. (Junior, 1917), Operating Engr., Wilputte Coke Oven Corp'n., 469 5th Ave., New York, N. Y., and *for mail*, 347 Queen E., Sault Ste. Marie, Ont., Canada.
- *HARRIES, George H. (1913), Brig.-Genl., Commanding Headquarters 59th Depot Brigade, Camp Cody, Deming, N. M.; H. M. Byllesby & Co., 208 S. LaSalle St., Chicago, Ill.
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- HARRINGTON, John L. (1903), Harrington, Howard & Ash, Orear-Leslie Bldg., and Rockhill Manor, Kansas City, Mo.
- HARRINGTON, Joseph (1913), Advis. Combustion Engr., 208 S. La Salle St., Chicago, and *for mail*, Riverside, Ill.
- HARRINGTON, Norman T. (1903), Cons. Mfg. Engr., 538 Schofield Bldg., Cleveland, O.
- HARRIS, Albert J. B. (1916), Cons. Engr., Emerson Co., 30 Church St., New York, N. Y., and *for mail*, 1106 Bryn Mawr St., Scranton, Pa.
- HARRIS, Carl C. (1914), V. P., Treas., Rodney Hunt Mch. Co., and *for mail*, 142 S. Main St., Orange, Mass.
- HARRIS, Chester J. (Associate, 1917), Asst. to Factory Mgr., Russell Motor Car Co., King and Dufferin Sts., and *for mail*, 54 Bernard Ave., Toronto, Ont., Canada.
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- HARRIS, Glenn B. (1918), Gage Engr., Inspection Div., Ord. Dept., A Bldg., 6th & B Sts., and *for mail*, Apt. 42, 1627 Lamont St., N. W., Washington, D. C., also 140 Shonnard Terrace, Yonkers, N. Y.
- HARRIS, Grenville A. (1907), Ch. Engr., Am. Steel Export Co., Rm. 2909, Woolworth Bldg., New York, N. Y., and 176 Stiles St., Elizabeth, N. J.
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- HARRIS, Henry S. (1912), Sales Engr., Ingersoll-Rand Co., 411 Com-

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- HARRIS, J. Wilfrid (1905), Managing Dir., Alfred Wiseman, Ltd., Glover St., Birmingham, and *for mail*, Laburnums, Bilston, Staffordshire, England.
- HARRIS, Leslie M. (Associate-Member, 1918), Asst. V. P., Am. Engrg. Co., and *for mail*, 5020 N. 9th St., Philadelphia, Pa.
- *HARRIS, Murray W. (Junior, 1916), Ord. Sergt., Ord. Dept., Aberdeen Proving Grounds, Aberdeen, Md., and *for mail*, 245 Atlantic Ave., Brooklyn, N. Y.
- HARRIS, Raymond B. (Junior, 1917), Combustion Engr., Detroit Edison Co., and *for mail*, 345 Kercheval Ave., Detroit, Mich.
- HARRIS, Thomas W., Jr. (Junior, 1915), Asst. in Pur. Dept., E. I. du Pont de Nemours & Co., 789 du Pont Bldg., and 5 Alhambra Apt., Wilmington, Del.
- HARRIS, William A. (1904), Mgr., Roll and Mch. Wks., Am. Sheet & Tin Plate Co., and 1338 N. Cleveland Ave., Canton, O.
- HARRIS, Wm. A., Jr. (Associate-Member, 1917), Asst. in Gage Dept., N. E., Westinghouse Co., and *for mail*, 1104 Worthington St., Springfield, Mass.
- HARRIS, William J., Jr. (1913), Sales Engr., The Surface Combustion Co., 15 Wilbur Ave., Long Island City, and *for mail*, 414 W. 154th St., New York, N. Y.
- HARRISON, Clifford E. (Associate, 1917), Inspr., The Am. Engrg. Co., Aramingo and Cumberland Sts., and *for mail*, 1658 Mentor St., Philadelphia, Pa.
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- HARRISON, Harry (Junior, 1913), N. Y. Sales Mgr., Brunswick Refrig. Co., 30 Church St., and *for mail*, 720 W. 171st St., New York, N. Y.
- HARRISON, Henry T. (1912), V. P., The McKinney Steel Co., Perry-Payne Bldg., and *for mail*, 7206 Linwood Ave., Cleveland, O.
- *HARRISON, Horace L. (Junior, 1918), Ensign, U. S. N. R. F., Navy Dept., Bureau of Ord., Rm. 5317, Interior Bldg., Washington, D. C.
- HARRISON, Nathaniel C. (1918), Genl. Supt., Atlantic Steel Co., Atlanta, Ga.
- HAROLD, Frederick F. (1913), Supt., Crucible Steel Co. of Amer., Harrison, and *for mail*, 92 Second Ave., Newark, N. J.
- HART, Charles F. (1914), Mech. Supt., N. Y. Times, 229 W. 43d St., New York, and 831 E. 17th St., Brooklyn, N. Y.
- HART, Frederick (1905), Pres., Frederick Hart & Co., Inc., 835-41 Main St., and *for mail*, 104 Hooker Ave., Poughkeepsie, N. Y.
- HART, Frederick A. (1914), Asst. Genl. Supt., Landers, Frary & Clark, New Britain, Conn.
- *HART, Howard P. (Junior, 1915), Lieut. (j. g.), U. S. N., U. S. Nav. Air Sta., Hampton Roads, Va.
- HART, Howard S. (1903), Pres., Hart & Cooley Co., New Britain, Conn.
- HART, Leon A. (Junior, 1918), Industrial Engr., N. E. Westinghouse Co., and *for mail*, 412 Broadway, Chicopee Falls, Mass.
- HARTER, Clarence J. (1914), M.E., Bilton Mch. Tool Co., 990 Houstonic Ave., and *for mail*, 527 Huntington Road, Bridgeport, Conn.
- HARTER, Isaac, Jr. (Associate, 1908), Supt., The Babcock & Wilcox Co., Bayonne, N. J., and Dongan Hills, S. I., N. Y.
- HARTFORD, Claude (1912; 1917), Wilson Welder & Metals Co., 2 Recor St., New York, and 64 Maple Ct., Brooklyn, N. Y.
- HARTFORD, Ernest (Associate, 1918), Office Mgr., Committee on Education & Special Training, War Dept., 593 State, War & Navy Bldg.,

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- HARTFORD, Lionel C. (Junior, 1917), Dev. Engr., Parvin Harbaugh Real Estate, 2d Park St., Boston, and *for mail*, 2 Frost St., Cambridge, Mass.
- HARTLEY, Albert O. (Junior, 1918), Special Engrg. Work for Capt. C. C. Landers, U. S. Nitrate Plant No. 1, Sheffield, Ala.
- HARTLEY, Harry D. (Junior, 1910), Pioneer Pole & Shaft Co., Piqua, O.
- HARTMAN, Clarence O. (Junior, 1918), Draftsman, Ord. Dept., Field Carr. Div., U. S. Govt., Washington, D. C., and *for mail*, Port Clinton, Sch. Co., Pa.
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- HARTMANN, Francis M. (1910), Prof. E. and M. E., Cooper Union, and 335 W. 14th St., New York, N. Y.
- HARTNESS, James (1891), Manager, 1909-1912; Vice-President, 1912-1913; President, 1914; Life Member; Pres., Jones & Lamson Mch. Co., Springfield, Vt.
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- *HARTZELL, Earl F. (Junior, 1918), Lieut., Engrs., Co. "L," 34th Engrs., A. P. O. No. 713, A. E. F., France.
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- HARVEY, John C. (1918), With Chas. M. Allen, Cons. Engr., Worcester Poly. Inst.; Owner & Mgr., Haynes Automobile Distributing Agency, and *for mail*, 880 Main St., Worcester, Mass.
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- HAUSON, Roy (Junior, 1918), Apprentice Instructor & Mech. Clerk, S. P. Shops, Master Mechanics Office, Tucson, Ariz.
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- HAWKINS, Major Wilford J. (1917), V. P., Intl. Arms & Fuze Co., Inc., Bloomfield, N. J., and V. P. Intl. Mfg. Co., Ltd., Montreal, Que., Canada, and *for mail*, 64 Melrose Pl., Montclair, N. J.
- HAWKS, Arthur S. (1904; 1909), Ch. Engr., Busch-Sulzer Bros.-Diesel Eng. Co., 2nd and Utah Sts., and *for mail*, 3945 Magnolia Ave., St. Louis, Mo.
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- HAY, Paul L. (1916), Contr. Engr., Sam'l W. Hay's Sons, 1408 Keenan Bldg., and 1471 Severn St., Pittsburgh, Pa.
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- *HAYES, William P. (1913), Lieut., U. S. N. R. F., Comdg., U. S. S. *Quiros*, Asiatic Sta., care of U. S. Postal Agency, Shanghai, China, and 149 E. 40th St., New York, N. Y.
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- HAYS, Lewis T. (1916; 1918), Tramway Engr., U. S. Steel Products Co., 4th Ave., S. and Connecticut St., and 423 Terry Ave., Seattle, Wash.
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- HAYWARD, Fred H. (1889), 96-98 Leadenhall St., London, E. C., England, and 126 Liberty St., New York, N. Y.
- HAYWARD, Harold A. (Associate-Member, 1915), Asst. Secy., Connolly Iron Sponge & Governor Co., 227 Fulton St., and 251 W. 98th St., New York, N. Y.
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- HEARSEY, Winthrop O. (1918), Supt. of Mach. Shop No. 5, Bethlehem Steel Co., and *for mail*, 732 W. Broad St., Bethlehem, Pa.
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- HEINRITZ, Walter J. (1918), Constr. Engr., Counties Gas & Elec. Co., and *for mail*, "The Preston," Norristown, Pa.
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- HELPPBRINGER, J. N. (Junior, 1917), Supt. of Power Plants, Kansas Gas & Elec. Co., and 1130 Betting Ave., Wichita, Kan.
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- HELWIG, Alfred (1916), Ch. Power Engr., Air Nitrates Corp., Muscle Shoals, Ala.
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- HENDERSON, George R. (1890), 1920 Chestnut St., Philadelphia, Pa.
- HENDERSON, Herbert (1914; 1916), Constr. Engr., Gulf Refining Co., and 2625 Lake Shore Drive, Port Arthur, Tex.
- HENDERSON, J. R. (1910), Mgr. Pueblo Wks., The Stearns-Roger Mfg. Co., 1720 California St., and 1401 Madison St., Denver, Colo.
- HENDERSON, John M. (1916), M. E., Rome Brass & Copper Co., and *for mail*, 500 N. George St., Rome, N. Y.
- HENDERSON, Joseph W. (1916), Ch., Bureau of Smoke Regulation, City of Pittsburgh; V. P., Gulick-Henderson, 525 3rd Ave., and *for mail*, 701 Aiken Ave., Pittsburgh, Pa.
- HENDERSON, Malcolm M. (1916), Ch. M. E., Commonwealth Rys., "Chelford House," Russell St., Melbourne, Victoria, and "Calydon," 309 Auburn Rd., Auburn, Victoria, Australia.
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- HENDERSON, Robert H. (1907), Mgr., Henderson Elec. Co., Ampere, and *for mail*, 157 Greenwood Ave., East Orange, N. J.
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- HENDRICKSEN, Harry E. (Junior, 1918), Process Engr., The Remington Arms & Amm. Co., Bridgeport Wks., and *for mail*, 2393 E. Main St., Bridgeport, Conn.
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- HIND, Thomas W. (1918), Cons. Engr., The Crown Cork & Seal Co., Guilford Ave., Baltimore, and *for mail*, 6 W. Woodland Ave., Arlingtong, Baltimore, Md.
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- HOCKENSMITH, Wilbur D. (1918), Gen. Mgr. & Vice Pres., Hockensmith Wheel & Mine Car Co., Pennsylvania Sta., Pa.
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- HODGE, Charles A. (1918), Instr., Wentworth Inst., Boston, Mass.
- HODGE, Harry S. (1891), Cons. Engr., University, Va.
- HODGINS, George S. (1908), Editor, Ry. and Loco. Engrg., Angus, Sinclair Co., 114 Liberty St., and 390 Wadsworth Ave., New York, N. Y.
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- HOSFORD, William F. (1915), Engr. of Mech. Methods, West. Elec. Co., Hawthorne Sta., Chicago, and 814 Fair Oaks Ave., Oak Park, Ill.
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- HOWE, Jack L. (Junior, 1915), Local Mgr., Otis Elevator Co., 222 W. 2nd St. and 222 W. 11th St., Oklahoma City, Okla.
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- Newark Mch. Shop, Elizabeth & Hawthorne Aves., Newark, N. J., and *for mail*, 62 Seaman Ave., New York, N. Y.
- *HUNTER, Charles F. (1917), Maj., Ord. Dept., N. A., Frankford Arsenal, Philadelphia, Pa.
- HUNTER, Charles W. (1911; 1912), Gas Engr., Stone & Webster, 147 Milk St., Boston, Mass.
- HUNTER, David E. (1916), Constr. Engr., The Shaw-Walker Co., and *for mail*, 89 Fourth St., Muskegon, Mich.
- HUNTER, Geo. E. (1890), Genl. Supt., Elgin Natl. Watch Co., and *for mail*, 325 Watch St., Elgin, Ill.
- *HUNTER, Herbert C. (Junior, 1914), 1st. Lieut., Tank Corps, Hdqrs. 304th Battn., A. E. F., France, and 428 St. Marks Ave., Westfield, N. J.
- HUNTER, James D. (1894), V. P., Hunter Mch. Co., 48 Wall St., North Adams, Mass.
- HUNTER, James F. (1899; 1909), Asst. Engr. of Constr., Consld. Gas Co., 130 E. 15th St., New York, and 92 Gates Ave., Brooklyn, N. Y.
- HUNTER, John (1909), Mgr., 1913-1916; V. P., 1917-1919, Naval Constr., Standard Shipbldg. Corp., Shooters Island, Richmond Boro., New York, and 21 Bertha Pl., Stapleton, Staten Island, N. Y.
- HUNTER, John A. (1914), Prof. M. E., Univ. of Colo., Engrg. Bldg., Boulder, Colo.
- HUNTER, John Alexander (1909), Steam and Sanitary Engr., Am. Sheet & Tin Plate Co., Frick Bldg., Pittsburgh, and 151 Dickson Ave., Ben Avon, Pa.
- HUNTER, John R. (Associate-Member, 1918), Engr. Production, Good-year Tire & Rubber Co., Akron, and *for mail*, 290 Beaver St., E. Akron, Ohio.
- HUNTER, Samuel R. (Associate-Member, 1916), Am. Rolling Mill Co., and *for mail*, 1027 Superior Ave., Middletown, O.
- HUNTINGTON, Clarence W. (1913), Pres., The Va. Ry. Co., 65 W. 54th St., New York, N. Y., and 712 N. Broad St., Elizabeth, N. J.
- HUNTINGTON, Wm. S. (Associate-Member, 1917), U. S. Explosives Plants Office, 16 E. 42nd St., New York, N. Y., and *for mail*, 120 Iverson St., Atlanta, Ga.
- HUPFEL, Adolph G. (1916), Treas., Supt., The J. C. G. Hupfel Brewing Co., 229 E. 38th St., New York, N. Y.
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- HURST, George L. (1912), Mgr. Dredging Dept., Union Iron Wks. Co., and *for mail*, 260 California St., San Francisco, Cal.
- *HURXTHAL, Alpheus O. (Junior, 1915), Capt., Ord., U. S. A., 1710 Market St., Philadelphia, Pa.
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- HUSSEY, Charles W. (Junior, 1908), Sayles' Bleacheries, and 90 Chapel St., Saylesville, R. I.
- HUSSEY, Oren S. (1897), Congress Hall Hotel, Washington, D. C.
- HUSSEY, Wm. E. (1904), Pres., Providence Engrg. Corp., 5 Nassau St., New York, and 194 Bainbridge St., Brooklyn, N. Y.
- HUST, William (Junior, 1917), Mech. Draftsman, The Peters Cartridge Co., Cincinnati Wks., 4609 Eastern Ave., and *for mail*, 3160 Harrison Ave., Cincinnati, O.
- *HUSTED, Clifford M. (1910; Associate-Member, 1916), Capt., Engrs., U. S. A., Address Unknown.

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- HUTCHENS, Ralph W. (Junior, 1918), M.E., Gilette Rubber Co., Wisconsin St., and 731 Third Ave., Eau Claire, Wis.
- HUTCHINS, George F. (1910), Chairman Development Bd., Crompton & Knowles Loom Wks., and *for mail*, 20 Ripley St., Worcester, Mass.
- HUTCHINGS, Clifford F. (1907; 1913), The Hayward Co., 50 Church St., New York, N. Y., and *for mail*, 693 Newark Ave., Elizabeth, N. J.
- HUTCHINSON, Arthur H. (1899), Sales Engr., Frick Co., 406-407 Atlanta Natl. Bank Bldg., and *for mail*, 58 Ponce de Leon Pl., Atlanta, Ga.
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- HUTCHINSON, Charles T. (1910), V. P., Genl. Mgr., Min. & Scientific Press, 420 Market St., San Francisco, and Hotel Oakland, Oakland, Cal.
- HUTCHINSON, Ely C. (1912), Mgr. Engrg. & Sales, The Pelton Water Wheel Co., 3000 19th St., San Francisco, and 2718 21st Ave., Oakland, Cal.
- HUTCHINSON, George W. (1913), Ch. Engr., Keystone Coal & Coke Co., Huff Bldg., Greensburg, Pa.
- *HUTCHINSON, Henry H. (Associate-Member, 1916), Capt., Ord. Dept., Engrg. Div., P. O. Box 651, 11th St. Sta., Washington, D. C., and Supt., Canadian Explosives, Ltd., Van Draeul Sta., Que., Canada.
- HUTCHINSON, John A. (Associate-Member, 1916), Ch. Engr., Intl. Silver Co., and 138 Fourth St., Meriden, Conn.
- HUTCHISON, Fred. P. (Junior, 1918), Efficiency Engr., Western Elec. Co., Inc., Hawthorne Sta., and *for mail*, 422 N. Parkside Ave., Chicago, Ill.
- HUTCHISON, Miller R. (1912), Pres., Miller Reese Hutchison, Inc., and Llewellyn Park, Orange, N. J.
- HUTCHISON, Richard (1900; 1904), Dist. Sales Mgr., The Babcock & Wilcox Co., 49 Federal St., Boston, Mass.
- HUTSON, Henry L. (1906; 1908), Secy., A. M. Lockett & Co., Ltd., 533 Baronne St., 7321 Panaladt St., New Orleans, La.
- HUTTINGER, Wilhelm R. (Junior, 1906), Ch. Engr., Lewis & Roth Co., 1012 Liberty Bldg., Philadelphia, and *for mail*, 86 E. Greenwood Ave., Lansdowne, Pa.
- HUTTON, Mancius S. (Junior, 1908), Lab. Engr., The Auto. Club of Amer., 247 W. 54th St., and *for mail*, 257 W. 86th St., New York, N. Y.
- HUTTON, Sol E. (1912), Cons. Engr., 115 Van Buren St., Moscow, Idaho.
- HUXFORD, George T. (Associate-Member, 1917), Supt., Builders Iron Fdy., 9 Codding St., Providence, and *for mail*, 1061 Narragansett Blvd., Edgewood, R. I.
- HVID, Marinus (1911; Associate-Member, 1914), Asst. Ch. Engr., Inland Steel Co., Indiana Harbor, Ind., and 7948 Constance Ave., Chicago, Ill.
- HVID, Rasmus M. (1907; Associate, 1909), Pres., R. M. Hvid Co., 803 First Natl. Bank Bldg., and 1635 Kenilworth Ave., Chicago, Ill.
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- HYDE, Thomas E. (Associate-Member, 1918), Wks. Mgr., & Asst. Secy., Huhn Mfg. Co., 580 Elm St., Arlington, N. J.
- HYLAND, Patrick H. (1918), Asst. Prof. of Mech. Engrg., 226 Engineering Bldg., Madison, Wis.
- HYMAN, D. (1892), V. P., Empire Limestone Co., 19 Hudson St., and 410 Porter Ave., Buffalo, N. Y.
- HYMANS, Frederick (1912), Engr., Otis Elev. Co., New York, N. Y., and *for mail*, 3 Appleton Pl., Glen Ridge, N. J.
- *IDDLES, Alfred (1913: Associate-Member, 1917), Capt., Chem. Warfare Service, Edgewood Arsenal, Edgewood, Md.
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- *IGLEHART, George P. (Junior, 1918), Ensign, Naval Reserve Flying Corps, Curtiss Aeroplane Co., Buffalo, N. Y., and 11 Manchester Rd., Brookline, Mass.
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- ILLGES, George M. (1916), Dist. Mgr., Heine Safety Boiler Co., Rm. 831, First Natl. Bank Bldg., Chicago, and 841 Foxdale Ave., Winnetka, Ill.
- ILLINGWORTH, George C. (Associate-Member, 1915), Sales Engr., Murphy Iron Wks., 1232 Union Trust Bldg., and Woodburn Apts., Cincinnati, O.
- ILLMER, Louis (1913), Gas Eng. Expt., Am. Whaley Eng. Co., 136 Federal St., Boston, and *for mail*, 22 Paul St., Newton Center, Mass.
- ILSLEY, John P. (1903; 1907), Genl. Mgr., Becker Milling Mch. Co., Hyde Park, and *for mail*, 138 Highland St., Milton, Mass.
- ILTIS, John (Associate-Member, 1918), Designer & Estimator, Ivy Ave., Englewood, N. J.
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- *IMESON, Charles V. (Associate, 1917), Capt., Q. M. C., Constr. Div., Asst. to Constructing Q. M., P. O. Box 33, Fort Barrancas, and Jacksonville, Fla.
- INGALLS, Frederick D. B. (1909), Ch. Htg. and Vent. Engr., C. A. Dunham Co., 811 E. Main St., and *for mail*, 309 N. 1st St., Marshalltown, Ia.
- INGALLS, James A. (Associate-Member, 1916), Mech. Asst. Testing Bureau, Elec. Engrg. Dept., Transit Development Co., Williamsburg Power Sta., Kent and Division Aves., and *for mail*, 831 Greene Ave., Brooklyn, N. Y.
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- *INGHAM, Howard M. (1907), Lieut., U. S. N. R. F., Asst. Naval Insp. of Ord., Savage Arms Corp., 2201 E. Erie Ave., and *for mail*, The Clinton, 10th & Clinton Sts., Philadelphia, Pa., also 76 Dwight Pl., Englewood, N. J.
- INGHAM, Irving L. (Associate-Member, 1918), Ch. Insp., Gilbert & Barker Mfg. Co., and *for mail*, 29 Fairview Ave., West Springfield, Mass.

- INGLIS, Robert N. (1917), Ch. Engr., M. W. Kellogg Co., 90 West St., New York, N. Y., and 31 Claremont Ave., Jersey City, N. J.
- ENGLISH, H. O. (Associate-Member, 1918), Inspc. of Mach., Westinghouse Mach. Wks., U. S. Shipping Bd., and *for mail*, c/o Greys Apts., Wilkinsburgh, Pa.
- INGRAHAM, Alexander (1916), Flour Mill Engr., 1720 12th St., W., Calgary, Alberta, Canada.
- INGRAM, Edward H. (1918), Wks. Mgr., The Cleveland Milling Mch. Co., 18511 Euclid Ave., and 2233 Cummington Rd., Cleveland, O.
- INMAN, Chester M. (Junior, 1916), Salesman, Pratt & Inman, 12 Cherry St., and 35 Midland St., Worcester, Mass.
- INOKUTY, Ariya (1915), Prof. M. E., College of Engrg., Imperial Univ., Tokio, Japan.
- INSLEE, Heber C. (1907), Engr. on Plant 'Wk., Babcock & Wilcox Co., Bayonne, and Van Court Inn, Roselle, N. J.
- INSLEY, William H. (1913), Pres., Insley Mfg. Co., Olney and E. St. Clair Sts., P. O. Box 167, and 445 N. Audubon Rd., Indianapolis, Ind.
- *IRELAND, Mark L. (1902; 1913), Lieut. Col., Q. M. C., U. S. A., Hdqrs., Motor Transport Serv., A. E. F., France, and *for mail*, 406 Brandon Ave., Alamo Heights, San Antonio, Tex.
- IRVIN, Richard (Associate-Member, 1914), Ch. Engr., Richard Irvin & Co., 308 Union Bank Bldg., and 175 Hallock St., Pittsburgh, Pa.
- IRWIN, Franklin K. (1913), Philadelphia Sales Mgr., Niles-Bement-Pond Co., 405 N. 21st St., Philadelphia, Pa.
- *IRWIN, Kilshaw McH. (Junior, 1917), Ch. Yeoman, U. S. N. R. F., Prod. Div., Inspc., Engrg. Materials Office, and *for mail*, 4017 Baltimore Ave., Philadelphia, Pa.
- IRWIN, Oliver C. (1918), Mgr., O. C. Irwin Co., 291 Broadway, New York, and 424 Seratos St., Brooklyn, N. Y.
- ISEBELL, Howard L. (Junior, 1891), Asst. Mech. Supt., Am. Brass Co., Waterbury, and *for mail*, Rockwell Ave., Naugatuck, Conn.
- ISEBELL, John A. (1917), Wks. Mgr., Wood Newspaper Mchy. Corp., and *for mail*, 740 W. 7th St., Plainfield, N. J.
- ISENBERG, H. O. C. (1913), Factory Mgr., Wright-Martin Aircraft Corp., Jersey Ave., and *for mail*, 91 Adelaide Ave., New Brunswick, N. J.
- ISENBERG, Martens H. (Junior, 1918), Insp. of Airplanes & Airplane Eng., Signal Service at Large, Office of Dist. Mgr. of Equip., S. C., 15 Park Row, New York, and *for mail*, 2801 Clarendon Rd., Brooklyn, N. Y.
- ISERT, J. G. Hunt (1914), Genl. Supt., M. E., The Pyne Co., 1301 W. Main St., and *for mail*, 2040 Sherwood Ave., Louisville, Ky.
- ISHAM, Alonzo K. (1915), Pres., Genl. Mgr., West Coast Iron Wks., 4609 14th Ave., N. W., and 1759 26th Ave., N., Seattle, Wash.
- ISHIMURA, Lyuho S. (Junior, 1917), Engr., Nippon Denchi & Co., Imadwaga Sinmachi, and Sinkarasumaru Marutamachi, Kyoto, Japan.
- ISLEY, George H. (1918), M.E., Morgan Construction Co., and *for mail*, 49 Bay State Rd., Worcester, Mass.
- ISRAEL, Albert H. (Junior, 1913), Torpedo Testing Engr., E. W. Bliss Co., and *for mail*, 606 45th St., Brooklyn, N. Y.
- ISRAEL, Charles H. (1912), Sales Engr., Harrisburg Fdy. & Mch. Wks., Seventh and Curtin Sts., and *for mail*, 2127 N. Second St., Harrisburg, Pa.
- IVENS, Edmund M. (1908; 1917), Asst. Mgr. N. O. Office, Skinner Eng. Co., 1017 Hibernia Bank Bldg., and *for mail*, 1310 Leontine St., New Orleans, La.
- IWANAMI, Takao (Associate-Member, 1914), Electrical Squad Foreman,

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- JABLOW, Charles (Associate-Member, 1915), Prof. M.E., Okla. Agri. and Mech. College, and 604 W. 6th Ave., Stillwater, Okla.
- JACK, Richard D. (Associate-Member, 1915), Supt. of Costs, Winchester Repeating Arms Co., and *for mail*, 1151 Chapel St., New Haven, Conn.
- JACKLIN, Harold M. (Junior, 1917), Instr. Engrg., Univ. of Wis., Extension Div., and *for mail*, 263 Merritt St., Oshkosh, Wis.
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- JACKSON, Arthur C. (1903; 1910), Genl. Supt., Secy., Treas., Miller Lock Co., 4533 Tacony St., Frankford, and *for mail*, 6445 Greene St., Germantown, Philadelphia, Pa.
- JACKSON, Charles A. (1911), Hyd. Engr., Pelton Water Wheel Co., 90 West St., New York, and 116 Avondale St., Woodhaven, L. I., N. Y.
- JACKSON, Charles J. (1905), 1430 S. 58th St., Philadelphia, Pa.
- *JACKSON, Dugald C. (1890), Maj., E. R. C., U. S. A., A. E. F., France; Prof., Elec. Engrg., Mass. Inst. Tech., and *for mail*, 5 Mercer Circle Cambridge; D. C. & Wm. B. Jackson, Engrs., 17 Appleton St., Watertown, Mass.
- *JACKSON, E. R. (Associate-Member, 1917), 1st Lieut., U. S. A., Ord. Dept., Inspc. Div., Army Inspc. of Ord., 14 N. Limestone St., and 1120 N. Fountain Ave., Springfield, O.
- *JACKSON, Earl E. (Junior, 1915), Prvt., Engr. Corps, Co. M., 22nd Regt., N. Y. G., 168th St. & Bdway.; Supt. of Constr., H. W. Johns-Manville Co., 41st St. & Madison Ave., and *for mail*, 516 W. 136th St., New York, N. Y.
- *JACKSON, F. Raymond (Junior, 1917), Ch. Machinist's Mate, U. S. N., Candidate, Steam Engrs. Sch. for Officers, Stevens Inst. of Tech., Hoboken, N. J., and 801 E. North St., Greenville, S. C.
- JACKSON, Francis W. (1909), Cons. Engr., 86 West Oneida St., Oswego, N. Y.
- JACKSON, Henry D. (1912), Mech. & Elec. Engr., Monks & Johnson, 99 Chauncy St., Boston, and *for mail*, 698 Beacon St., Newton Center, Mass.
- JACKSON, Henry W. (Junior, 1913), Production Mgr., Hess. Bright Mfg. Co., Front St. and Erie Ave., Philadelphia, and *for mail*, 112 Maple Ave., Cynwyd, Pa.
- *JACKSON, John Price (1903), Maj., E. O. R. C.; Commr. of Labor and Industry, Harrisburg, Pa.
- *JACKSON, John R. (Junior, 1915), Capt., O. D., U. S. R., Am. Ord. Base Depot in France, and *for mail*, 914 Ry. Exch. Bldg., Chicago, Ill.
- JACKSON, Lawrence B. (1918), M.E., Ch. Engr., The Texas S. S. Co., 17 Battery Pl., New York, and *for mail*, The Texas S. S. Co., Bath, Me.
- *JACKSON, Lucian C. (1901), Sig. Corps, U. S. A., Eng. Sec., Bldg. "D," 4th & Missouri Ave., and *for mail*, 351 Hoyt St., Buffalo, N. Y.
- JACKSON, P. Andrew (Associate, 1918), M.E., American Writing Paper Co., 9 Main St., and *for mail*, 145 Essex St., Holyoke, Mass.
- JACKSON, Percy (Junior, 1904), Ch. Engr., The Walsh & Wiedner Boiler Co., 121 E. Terrace St., Chattanooga, Tenn.
- JACKSON, Walter W. (1902), Supt., Regina Co.; Prop., Walter W. Jackson, P. O. Box 22, Rahway, and Sewaren, N. J.
- *JACKSON, Wm. B. (1901), Manager, 1912-1915; Vice-President, 1915-1917; Life Member; Maj., Officer in Charge of Utilities, Care Camp Q. M., Camp Merritt, N. J.
- JACKSON, William G. (Junior, 1916), Wks. Engr., Spaulding & Jennings

- Wks., Crucible Steel Co. of Amer., foot of Yale Ave., and *for mail*, 242 Bergen Ave., Jersey City, N. J.
- JACOB, Charles L. (Junior, 1916), Constr. Supt., Jarrett-Chambers Co., 30 E. 42nd St., New York, N. Y., and Hog Island, Pa., and 600 Kerleree St., New Orleans, La.
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- JACOBS, Ward S. (1897; 1904), Treas., The Walton Co., and *for mail*, 530 Farmington Ave., Hartford, Conn.
- JACOBSON, Conrad C. (1917), M. E., Developing Engr., The Cellulid Co., 290 Ferry St., Newark, and *for mail*, 44 Glenridge Ave., Glen Ridge, N. J.
- JACOBSON, Ernst (1918), Cons. Engr., 206 E. Fourth St., Davenport, Iowa.
- JACOBSON, Franz (Junior, 1916), Checker, Pressed Steel Car Co., and *for mail*, 557 Dawson Ave., Bellevue, Pittsburgh, Pa.
- JACOBUS, Dr. D. S. (1889), Manager, 1900-1903; Vice-President, 1903-1905; President, 1916; Advis. Engr., The Babcock & Wilcox Co., 85 Liberty St., New York, N. Y.; and Spec. Lecturer Exper. Engrg., Stevens Inst. of Tech., Hoboken, and 70 Summit Ave., Jersey City, N. J.
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- JACOBY, Benj. (1914), M. E., Marion Steam Shovel Co., and *for mail*, 421 S. State St., Marion, O.
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- JAHNCKE, Ernest Lee (Associate, 1904), Pres., Genl. Mgr., Jahncke Shipbuilding Corp'n, 814 Howard Ave., and 1823 Palmer Ave., New Orleans, La.
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- JANN, Victor (1916), Turbine Engr., Genl. Elec. Co., Provident Bank Bldg., Cincinnati, and *for mail*, 1343 Duncan Ave., Hyde Park, Cincinnati, O.
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- JAQUAYS, Homer M. (1899; 1903), Wks. Mgr., The Steel Co. of Canada, Ltd., Montreal, and *for mail*, 645 Grosvenor Ave., Westmount Que., Canada.
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- JARECKIE, Eugene A. (Associate-Member, 1918), Asst. Engr., Honolulu Iron Wks. Co., Woolworth Bldg., New York, N. Y. and *for mail*, 45 Crescent Rd., Madison, New Jersey.
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- JAY, Walter F. (1914), Prod. Engr., War Dept., Ord., 82 Paul St., Rochester, N. Y., and *for mail*, 31 Chestnut Ave., Dansville, N. Y.
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- JEFFCOTT, Robert C. (1912), Pres., The Calco Chemical Co., Bound Brook, and "The Glenwood," Somerville, N. J.
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- JEGGE, Emil G. (Associate-Member, 1916), M.E., E. I. du Pont de Nemours Co., Cap. Wks., and *for mail*, Box 394 Pompton Lakes, N. J.
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- KAMMERHOFF, H. H. Meno (1914), Mgr. Coal Tar Products Div.,
Thomas A. Edison, Inc., Bloomfield, and *for mail*, 159 Cleveland St.,
East Orange, N. J.
- KANE, Edmund J. (1916), M. E., 123 N. Waller Ave., Chicago, Ill.
- KANE, Francis J. (Associate-Member, 1914), Ch. Draftsman Waterbury
Brass Branch, Am. Brass Co., and *for mail*, 101 Idylwood Ave.,
Waterbury, Conn.
- KANE, Thomas H. (1914), Wks. Mgr., Trussed Concrete Steel Co.,
Youngstown, O.
- KANE, William (1917), Pres. and Genl. Mgr., Wm. Kane Mfg. Co.,
Inc., 1905-15 Adams St., Philadelphia, Pa.
- KANN, Gustave G. (Junior, 1916), Designing Engr., 780 Cauldwell Ave.,
New York, N. Y.
- KAPLAN, Harry (Junior, 1916), Draftsman, N. Y. C. R. R. Co., Grand
Central Term., and *for mail*, 1451 Wilkins Ave., New York, N. Y.
- KAPY, Artturi A. (Junior, 1903), Factory Inspr. Dist. of Lahti, Lahti,
Finland.
- *KARCHER, Harry E. (Junior, 1914), 1st Class Sergt., Co. B, 5th Train-
ing Batt'n, Camp Benjamin Franklin, Md., and 57 N. Jackson St.,
Bellevue, Pa.
- KARL, Robert H. (1914), Asst. Supv. Engr., Anheuser Busch Brewing

- Assoc., 9th & Pestalozzi St., and *for mail*, 3627 Botanical Ave., St. Louis, Mo.
- *KARMAZIN, John (Associate-Member, 1914), Capt., U. S. A. Military Intelligence Div., Genl. Staff, 1330 F St., N. W., and *for mail*, 2900 Tilden St., N. W., Washington, D. C.
- *KARR, Alfred D. (Junior, 1915), 2nd Lieut., Air Service Chanute Field, Rantoul, Ill., and *for mail*, 822 De Grau Ave., Newark, N. J.
- KARR, Charles L. (Associate-Member, 1917), Asst. Ch. Engr., The Detroit Edison Co., 18 Washington Ave., and 196 Maidstone Ave., Detroit, Mich.
- KARR, Ernest M. (1905; 1913), Ch. Draftsman, Gifford-Wood Co., and *for mail*, 38 Fairview Ave., Hudson, N. Y.
- KARTSHER, Harry S. (Associate-Member, 1918), Secy. of Gage Bd., Ord. Dept., Engrg. Div., Gage Sec., Bldg. "E," 3-201, 4½ Missouri Ave., and *for mail*, 725 Shepherd St., Washington, D. C.
- KASLEY, John H. (1915), Planning Engr., West. Elec. Co., Inc., Hawthorne Sta., Chicago, and 815 Lake St., Oak Park, Ill.
- KASPAR, Joseph J. (Associate-Member, 1918), Struct. Engr., Llewellyn Iron Wks., Torrance Steel Plant, Torrance, and *for mail*, Elks Club, Los Angeles, Cal.
- KASPER, Walter F. (Junior, 1916), M. E., Fairmont Gas Eng. & Ry. Motor Car Co., N. Main St., and *for mail*, Box 811, Fairmont, Minn.
- KASSANDER, A. R. (Junior, 1913), Carbondale Mch. Co., and *for mail*, 42 N. Church St., Carbondale, Pa.
- KASTLER, Edward L. (Junior, 1913), Ch. Engr., The Holt Mfg. Co., and *for mail*, Hotel St. Leo, Stockton, Cal.
- KATES, Edgar J. (Associate-Member, 1916), Asst. Ch. Engr. Power Dept., De La Vergne Mch. Co., Foot of E. 138th St., and 249 E. 68th St., New York, N. Y.
- KATTE, Edwin B. (1895; 1901), Manager, 1910-1913; Vice-Pres., 1913-1914; Ch. Engr., Elec. Traction, U. S. Railroad Administration, 70 E. 45th St., New York and Irvington, N. Y.
- KATZENSTEIN, Martin L. (1903; 1915), Mgr., Marine Dept., Worthington Pump & Mch. Corp., 115 Broadway, and *for mail*, 229 W. 78th St., New York, N. Y.
- KAUFMAN, Emanuel (1902, 1914), Metallurgist on Steel, Farmers Bank Bldg., and 1906 Wightman St., Pittsburgh, Pa.
- KAUFMAN, Morris L. (Associate-Member, 1918), Constr. Egr., U. S. Govt. Explosives Plant C., Nitro, Va., and *for mail*, 918 Eastern Parkway, Brooklyn, N. Y.
- KAUFFMANN, Frederick F. (1911), Asst. to Ch. Engr., N. Y. Shipbuilding Co., and *for mail*, 909 Pine St., Camden, N. J.
- KAVANAGH, Thomas J. (Associate, 1917), Am. Sugar Refining Co., and 139 Griffith St., Jersey City, N. J.
- KAVANAUGH, Ramsey D. (1918), Mech. Exper. Div., Engr. Dept., E. I. du Pont de Nemours & Co., Du Pont Bldg., and 309 W. 19th St., Wilmington, Del.
- KAVANAUGH, Wm. H. (1902; 1910), Prof. Exper. Engrg., Towne Scientific Sch., Univ. of Pa., Philadelphia, and 2081 N. 63d St., Overbrook, Philadelphia, Pa.
- KAVEN, Moses B. (1891), V. P., Genl. Supt., United Shoe Mch. Co., 205 Lincoln St., Boston, and *for mail*, 556 Cabot St., Beverly, Mass.
- KEABLES, Austin D. (1910, Associate-Member, 1918), M.E., Slatersville Finishing Co., Slatersville, and *for mail*, 462 Coe St., Noonsocket, R. I.
- KEAL, George I. (1918), Resident Engr., U. S. Shipping Board, Hog Island Shipyard, and *for mail*, 1122 S. 46th St., Philadelphia, Pa.
- KEAN, A. J. A. (1908), Asst. Res. Mgr., Guanajuato Power & Elec. Co., Apartado 59, and Calle Pastita, Guanajuato, Gto., Mex.

- KEARNEY, Alex (1897; 1899), Asst. Supt. M. P., Norfolk & West. Ry., and 1111 Henry St., S. W., Roanoke, Va.
- KEARNEY, Edward J. (1913), Secy., Treas., Kearney & Trecker Co., 60th and Natl. Aves., West Allis, and 395 2nd Ave., Wauwatosa, Wis.
- KEARNEY, William J. (1913), Ch. Engr., U. S. Nitrate Plant No. 1, Govt. Office, Sheffield, Ala.
- KEASBEY, A. P. (Junior, 1914), Asst. to Pres., Robt. A. Keasbey Co., Bank and West Sts., New York, N. Y., and 36 St. Luke's Pl., Montclair, N. J.
- KEATING, Daniel A. (1913), Mech. Supt., Am. Tube & Stamping Co., and for mail, 893 Seaview Ave., Bridgeport, Conn.
- KEATING, Thomas E. (Associate-Member, 1914), Mgr. Turbine Section, Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 125 N. Linden Ave., Pittsburgh, Pa.
- KEY, Herbert O. (1913), Res. Cons. Engr., Laurentide Co., Ltd., Grand Mere, P. Q., Canada.
- KEBLER, Eliot A. (1918), Pres., Fawcett Mch. Co., Spec. Rep., The Mathew Addy Co., 2006 First Natl. Bank Bldg., Pittsburgh, Pa.
- KEDY, Stiles F. (1916), care of The Columbia Mills Inc., Room 1200, 225 Fifth Ave., New York, N. Y.
- KEEDY, Dyke V. (1918), Cons. & Metallurgical Engr., 6 Beacon St., Boston, and for mail, c/o Norton Co., Worcester, Mass.
- KEEFE, Thomas E. (Associate, 1914), Salesman, Franklin Oil & Gas Co., Bedford, O., and 386 Belmont Ave., Newark, N. J.
- KEELER, Hugh E. (Junior, 1912), Instr. M. E., Univ. of Mich., 231 New Engrg. Bldg., and for mail, 1421 S. University Ave., Ann Arbor, Mich.
- KEELER, E. Harold (Junior, 1916), Secy., Housatonic Water Power Co., 293 Main St., Derby, and 140 Hillside Ave., Shelton, Conn.
- *KEELEY, William C., Jr. (Junior, 1917), Lieut., F. A. R. C., 14th F. A., Fort Sill, Okla.
- KEENAN, George M. (Junior, 1916), Efficiency Engr., Lehigh Navigation Elec. Co., 802 Hamilton St., Allentown, Pa.
- KEENAN, Walter F., Jr. (Junior, 1912), M. E., Power Spec. Co., 111 Broadway, and 780 Riverside Drive, New York, N. Y.
- *KEENAN, Walter M. (Associate-Member, 1917), 1st Lieut., Sig. R. C., A. S., 138 St. James Pl., Brooklyn, N. Y.
- KEENE, Albert R. (Junior, 1917), Asst. Ch. Draftsman, Doehler Die Casting Co., Court and 9th Sts., and for mail, 579 5th St., Brooklyn, N. Y.
- *KEEP, Henry (1913), Maj., Co. of Engrs., U. S. A., Advance Sec., S. O. S., Army P. O. No. 757, France; Supt. Constr., Thompson Starrett Co., 51 Wall St., New York, N. Y., and for mail, 41 Bontelle Rd., Bangor, Me.
- KEES, Daniel (Junior, 1918), Vice-Pres. & Supt., F. D. Kees Mfg. Co., Beatrice, Neb.
- *KEET, Clarence T. (Junior, 1916), 2nd Lieut., Engrs., N. A., 5th Co. E. R. O. T. C., Camp Lee, Va., and for mail, Schuyler Falls, N. Y.
- *KEHL, Robert J. (Junior, 1916), 1st Lieut., Div. of Amer. Base Ord. Depot, France; Cons. Engr., Chicago Wks., Oxweld Acetylene Co., 3642 Jasper Pl., and for mail, 7141 Normal Ave., Chicago, Ill.
- KEHM, August (Associate, 1918), Pres., Kehm Bros. Co., 15 W. Kinzie St., Chicago, Ill.
- KEHOE, Basil T. (Associate-Member, 1915), Genl. Foreman Stirling Drum Dept., The Babcock & Wilcox Co., and for mail, 517 N. 7th St., Barberton, O.
- KEHOE, Daniel E. (Associate-Member, 1916), Kehoe's Iron Works, Savannah, Ga.

- KEIL, Gustave B. (1908), Genl. Supt., Upton Mch. Co., St. Joseph, Mich., and *for mail*, 4109 N. Paulina St., Chicago, Ill.
- KEILHOLTZ, Pierre O. (1901), Cons. Engr., Continental Bldg., and 127 W. Lanvale St., Baltimore, Md.
- KEISER, Franklin B. (1917), Cons. Engr., Keiser-Geismer Engrg. Co., 1308-09 Am. Trust Bldg., and *for mail*, 2170 Highland Ave., Birmingham, Ala.
- KEITH, James (1916), Managing Dir., Ch. Engr., James Keith & Blackman Co., Ltd.; 27 Farrington Ave., London, E. C., and "Highlands," Vernon Rd., Leigh-on-Sea, Essex, England.
- KEITH, Robert R. (1904; 1911; 1914), Genl. Supt. Tractor Wks., Moline Plow Co., Rock Island, Ill., and *for mail*, 1109 Henry St., Davenport, Ia.
- KELLEMEN, H. F. (1902; 1903), V. P. & Genl. Mgr., Utica Drop Forge & Tool Co., 2415 Whitesboro St., and *for mail*, 1571 Kemble St., Utica, N. Y.
- KELLER, Albert T. (1914), Ch. Engr., Bethlehem Steel Co., Md. Plant, Sparrow's Point, and *for mail*, 9 Somerset Rd., Baltimore, Md.
- KELLER, Alfred R. (1916), Morgan Constr. Co., 15 Belmont St., and *for mail*, 117 Lincoln St., Worcester, Mass.
- KELLER, Clifford H. (Junior, 1916), Asst. Eff. Engr., Rochester Stamping Co., Jones St., and *for mail*, 266 Oxford St., Rochester, N. Y.
- KELLER, E. E. (1894), Vice-President, 1913-1915; Pres., Stand. Screw Products Co., and *for mail*, 621-659 Bellevue Ave., Detroit, Mich.
- KELLER, Geo. M. (Junior, 1916), Bindery Mgr., Curtis Publishing Co., Independence Sq., Philadelphia, and *for mail*, Pelham Court Apts., Germantown, Philadelphia, Pa.
- KELLER, J. M. (1913), M. E., Natnl. Carbon Co., W. 117th St. & Madison Ave., Cleveland, and *for mail*, 1427 Robinwood Ave., Lakewood, O.
- KELLER, Joseph F. (1908), Genl. Mgr., Keller Mech. Engraving Co., 70 Washington St., Brooklyn, and 308 W. 94th St., New York, N. Y.
- *KELLER, J. Orviss (Junior, 1917), 2nd Lieut., Ord. Dept., U. S. A., 3rd Prov. Ord. Regt., Camp Hancock, Augusta, Ga., and *for mail*, 149 East Linn St., Bellefonte, Pa.
- KELLER, Kaufman T. (Associate, 1916), Genl. M. M., Buick Motor Co., 1015 Beach St., and *for mail*, 521 Harriett St., Flint, Mich.
- *KELLER, Parry (Junior, 1916), 1st Lieut., Ord. Dept., U. S. A., and *for mail*, 5152 Pulaski Ave., Germantown, Philadelphia, Pa.
- KELLEY, Augustus N. (Associate-Member, 1917), Supt., The Modern Fdy. Co., Oakley, Cincinnati, and *for mail*, 101 Springfield Ave., Wyoming, O.
- KELLEY, Frederick W. (1905), Pres., The Helderberg Cement Co., 126 State St., Albany, N. Y.
- KELLEY, William D. (1915), Genl. Supt. Meters, Consld. Gas Co. of N. Y., 130 E. 15th St., New York, and 351 S. 3d Ave., Mt. Vernon, N. Y.
- KELLOGG, Alfred S. (1908), Cons. Engr., Boston, and *for mail*, Waverley, Mass.
- *KELLOGG, Charles D. H. (Associate-Member, 1916), 1st Lieut., Ord. Dept., U. S. A., Winchester Repeating Arms Co., New Haven, Conn.
- KELLOGG, Morris W. (1913), Pres., The M. W. Kellogg Co., 90 West St., and 22 E. 63d St., New York, N. Y.
- KELLOGG, Raymond M. (1915), Asst. Gas Engr., Westchester Ltg. Co., 1st Ave. and 1st St., and 142 S. 10th Ave., Mt. Vernon, N. Y.
- KELLY, Andrew (Associate-Member, 1914), Supt. Marion Sta., Pub. Serv. Elec. Co., Jersey City, and 38 Treacy Ave., Newark, N. J.
- KELLY, O. W. (1885), Pres., O. S. Kelly Co., and 621 S. Fountain Ave., Springfield, O.

- KELLY, Odber G. (1914), Dist. Turbine Insp., Genl. Elec. Co., 1011 Monadnock Bldg., and 632 Buckingham Pl., Chicago, Ill.
- KELLY, Thomas C. (1914), Cons. Engr., 405 Second Natl. Bank Bldg., and 24th St., Leger Bldg., Cincinnati, O.
- KELLY, Timothy J. (1913), Factory Mgr., The Brighton Mills, and *for mail*, 11 Barry Pl., Passaic, N. J.
- *KELLY, William (Junior, 1917), 2nd Training Camp, C. A. C., Ft. Monroe, Va.; Asst. in Mech. Engrg. Dept., Rensselaer Poly. Inst., Troy, and *for mail*, 374 Clinton Ave., Albany, N. Y.
- KELLY, William M. (1916), Mgr. Kelly Press Dept., Am. Type Founders Co., 300 Communipaw Ave., Jersey City, and 643 Fairfield Circle, Westfield, N. J.
- *KEMBLE, Parker H. (1908), Lieut., U. S. N. R. F., Prod. Officer, 1st Nav. Dist., U. S. Custom House, and *for mail*, 293 Marlborough St., Boston, Mass.
- KEMBLE, Thos. S. (1918), Asst. Engr., Motor Div., Curtiss Aeroplane & Motor Corp., 65 Churchill St., and *for mail*, 50 Granger Pl., Buffalo, N. Y.
- KEMP, Francis I. (Junior, 1915), Sales Engr., Henry R. Worthington, 825 Scarritt Bldg., and 211 N. Mersington Ave., Kansas City, Mo.
- KEMP, H. D. (Junior, 1916), Asst. Wks. Mgr., Natl. Conduit & Cable Co., Hastings-on-Hudson, and Technology Club, 17 Gramercy Park, New York, N. Y.
- KEMPTON, Herbert E. (1916), Wks. Mgr., Van Blorck Motor Co., and *for mail*, 419 Hubble St., Monroe, Mich.
- KENDALL, E. Homer (Junior, 1916), Ch. Engr., Erie Forge Co., and 821 W. 9th St., Erie, Pa.
- KENDALL, George H. (Junior, 1918), Head of Standards Div., Engrg. Dept., Norton Co., and *for mail*, 52 Hillcroft Ave., Worcester, Mass.
- KENDALL, Henry P. (1914), Treas., Pres., Lewis Mfg. Co., Treas. Plimpton Press, Norwood, Walpole, and *for mail*, 60 Congress St., Boston, Mass.
- KENDALL, Myron A. (1916), Ch. Engr., Supt., Stephens-Adamson Mfg. Co., and *for mail*, 715 Garfield Blvd., Aurora, Ill.
- KENDRICK, J. W. (1911), 14 E. Jackson Blvd., and 1312 N. State St., Chicago, Ill.
- KENERSON, Wm. H. (1904), Prof. M. E., Brown Univ., and 100 Morris Ave., Providence, R. I.
- KENFIELD, Louis E. (1916), Prod. Mgr., Small Tool Div., Taft-Pierce Mfg. Co., and 25 Trent St., Woonsocket, R. I.
- KENNARD, Ralph B. (Associate-Member, 1918), Ch. Draftsman, Niagara, Lockport & Ontario Power Co., Marine Bank Bldg., and *for mail*, 204 Norwalk St., Buffalo, N. Y.
- KENNEDY, Absalom M. (1916), Personnel Dept., Air Nitrates Corp., Muscle Shoals, and 101 Cloverdale Rd., Montgomery, Ala.
- KENNEDY, Alfred D. (1918), Vice-Pres., & Genl. Mgr., Amer. Mach. & Mfg. Co., P. O. Box 578, Greenville, S. C.
- KENNEDY, Anthony (1914), V. P., The Hollar Co., 505 Philadelphia Bank Bldg., Philadelphia, and *for mail*, 16 Harper Ave., Drexel Hill, Pa.
- KENNEDY, F. Lowell (1903; 1910), Assoc. Prof. Engrg. Drawing, Harvard School of Engrg., Harvard Univ., and *for mail*, 43 Appleton St., Cambridge, Mass.
- *KENNEDY, Grafton S. (Junior, 1917), Lieut., C. A. C., U. S. A., Fort Morgan, Ala.
- KENNEDY, J. J. (1902), Cons. Engr., 52 Broadway, New York, N. Y.
- KENNEDY, James E. (1913), Factory Supt., San Carlos Milling Co., San Carlos, Occidental Negroes, P. I.

- KENNEDY, James S. (1915), Supt. Wks., Stand. Gas Light Co., 115th St., and East River, New York, and 57 Rockland Ave., Park Hill, Yonkers, N. Y.
- KENNEDY, Julian (1912), Vice-President, 1915-1917; Engr., 1217 Bessemer Bldg., and 5400 Forbes St., Pittsburgh, Pa.
- KENNEDY, M. E., (Junior, 1906), Treas., The Kennedy Valve Mfg. Co., P. O. Box 147, and 637 W. Church St., Elmira, N. Y.
- KENNEDY, Sidney G. (Associate-Member, 1918), Genl. Foreman, Atlantic Coast Line, and *for mail*, 504 E. Orange St., Lakeland, Fla.
- KENNEDY, Walter (1914), M. E., 714 Bessemer Bldg., Pittsburgh, Pa.
- KENNEDY, William A. (1908; 1914), Testing Engr., Genl. Fire Extinguisher Co., 301 W. Exchange St., and *for mail*, 31 Forest St., Providence, R. I.
- KENNEDY, William J. (1916), Ch. Engr. Generating Dept., The Edison Elec. Ill. Co. of Boston, 39 Boylston St., Boston, and *for mail*, 36 Pleasant St., Dorchester, Mass.
- KENNEDY, William P. (1913), Cons. Engr., 1790 Broadway, and 230 W. 105th St., New York, N. Y.
- KENNER, Ernest R. (1912; 1918), 1701 Union Bank Bldg., and 6356 Morrowfield Ave., Pittsburgh, Pa., and *for mail*, Air Nitrates Corp., Muscle Shoals, Ala.
- KENNEY, Lewis H. (1904; 1911), M. E., Mch. Div., Navy Yard, Philadelphia, Pa.
- KENNEY, William J. (1916), Pres., Moloch Stoker Co., 774-776 Continental and Commer. Natl. Bank Bldg., Chicago, Ill.
- KENNICOTT, Cass L. (Associate, 1915), Engr., The Permutit Co., Rm. 824, 208 S. La Salle St., Chicago, and 155 Lincoln Highway, Chicago Heights, Ill.
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- *KENT, Edward R. (Junior, 1913), 1st Lieut., Ord. Dept., U. S. A., Rock Island Arsenal, Rock Island, Ill.
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- KENT, Herbert S. (1915; Associate-Member, 1918), Ch. Draftsman, West India Management & Consultation Co., 129 Front St., New York, N. Y.
- KENT, J. F. (Associate, 1918), Mgr., Amer. Cast Iron Pipe Co., Box 908, and *for mail*, 2510 Ensley Ave., Ensley, Birmingham, Ala.
- KENT, James M. (1900), Member Kansas City Smoke Abatement Commission; Instr., Steam & Elec., Manual Training High Sch., and Central Night Sch., and 2446 Harrison St., Kansas City, Mo.
- KENT, Robert S. (1901), Pres., Robert Sayre Kent, Inc., 50 Court St., and 253 80th St., Brooklyn, N. Y.
- KENT, Robert T. (Junior, 1905), Meyer, Morrison & Co., 149 Broadway, New York, N. Y., and *for mail*, 31 The Crescent, Montclair, N. J.
- *KENT, Robert W. (Junior, 1917), 1st Lieut., Ord., U. S. R., and *for mail*, General Delivery, Aberdeen, Md.
- KENYON, Frederick G. (Associate-Member, 1917), Tool Designer, Bullard Mch. Tool Co., Broad St., Bridgeport, and *for mail*, 72 Berkeley Terrace, Devon, Conn.
- *KENYON, John T. (1917), Maj., Ord. Dept., Bldg. "A," 6th & B Sts., Washington, D. C.
- KENYON, Wm. H. (1909), Mem. of Firm, Kenyon & Kenyon, 61 Broadway, New York, N. Y.
- *KEOUGH, Jere K. (1916; Associate-Member, 1918), Student, Engrg., Co. 5, E. O. T. S., Camp Humphreys, Va., and *for mail*, 2808 Chestnut St., Milwaukee, Wis.

- KEOUGH, William T. (1900), Life Member; Business Agt., Boston Pub. Schs., 801 City Hall Annex, Boston, and *for mail*, 90 Hastings St., West Roxbury, Mass.
- KEOWN, Robert McA. (1913), Asst. Prof. Mch. Design, Univ. of Wis., and *for mail*, 118 Spooner St., Madison, Wis.
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- *KERR, C. Phillips (Junior, 1916), 1st Lieut., U. S. Air Serv., Tech. Sec., P. O. 702, A. E. F., France.
- KERR, C. V. (1892), Steam Turbine Engr., Am. Well Wks., and *for mail*, 141 Blackhawk St., Aurora, Ill.
- KERR, Eugene W. (1902; 1908), Engr. in charge Exper. Engrg. Dept., Cuba Cane Sugar Corp., Edicio del Banco Nacional de Cuba, Box 1270, and *for mail*, 182 C St., Vedado, Havana, Cuba.
- KERR, Henry W. (Associate-Member, 1918), Sales Mgr., Wapakoneta Mch. Co., and *for mail*, 210 E. Benton St., Wapakoneta, O.
- KERR, Howard J. (1918), Asst. to Genl. Supt., Babcock & Wilcox Co., Trouble Engrg., and *for mail*, 67 W. 55th St., Bayonne, N. J.
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- KERR, Thomas H. (Associate-Member, 1917), Gas Engr., The Ohio Fuel Supply Co., 52 W. Gay St., and 949 Struder Ave., Columbus, O.
- KERR, William C. (1909), Engr., Republic Ry. & Light Co., 60 Broadway, New York, N. Y., and 3322 N. 17th St., Philadelphia, Pa.
- KERSTING, Albert H. (Associate, 1917), Charge Ordnance Inspc. Dept., Bethlehem Steel Co., South Bethlehem, and *for mail*, 1103 W. Broad St., Bethlehem, Pa.
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- KESSLER, Claude H. (1916), Senior M. E., Div. of Valuation, Interstate Commer. Comm., 731 Wells Fargo Bldg., and 608 O'Farrell St., San Francisco, Cal.
- *KESSLER, Herbert H. (Junior, 1915), 1st Lieut., Ord. Dept., U. S. A., Hdqrs. Ord. Motor Instr. Sch., Raritan Arsenal, Metuchen, N. J.
- KESSLER, Raines (Junior, 1915), The Green Fuel Economizer Co., 90 West St., New York, N. Y., and *for mail*, P. O. Box 46, Mahwah, N. J.
- KETCHUM, Samuel (1908; 1917), M. E., M. H. Treadwell Co., 140 Cedar St., New York, N. Y., and 16 Appleton Place, Glen Ridge, N. J.
- KETTERING, Charles F. (1915), V. P., The Dayton Engrg. Labs. Co., 329 E. 1st St., and *for mail*, Ridgeleigh Terrace, Dayton, O.
- KETTLE, Edgar U. (Associate-Member, 1918), Cons. & Research Engr., Lumber Drying Apparatus & Operation, Grand Rapids Veneer Wks., and *for mail*, 950 Scribner Ave., Grand Rapids, Mich.
- KEUFFEL, Carl W. (Junior, 1913), Supvr. Optical Dept., Keuffel & Esser Co., 3rd and Adams Sts., Hoboken, and 38 Liberty Pl., Weehawken, N. J.
- KEY, Fred (1918), V. P., Key Boiler Equip. Co., 625 Peirce Bldg., and 3535 Hartford St., St. Louis, Mo.
- KEY, James F. (Associate-Member, 1917), Pres., Key Adding Mch. Co., Box 244, Sierra Madre, Cal.
- KEYES, Frederic H. (1902), Editorial Dept., Sweet's Catalogue Service, Inc., 119 W. 40th St., and 70 Morningside Drive, New York, N. Y.

- KEYS, Walter C. (1918), Dir. of Engrg., The Standard Parts Co., Hickox Bldg., and *for mail*, 11480 Hessler Rd., Cleveland, Ohio.
- KIBELE, Eugene (1918), Genl. Mgr., Clark Bros. Co., and *for mail*, 312 Laurens St., Olean, N. Y.
- KIDD, Andrew, Jr. (1913) Cons. Engr., 95 Liberty St., and 455 Ft. Washington Ave., New York, N. Y.
- KIDD, George F. (1915), Power Plant Engr., Crocker-Wheeler Co., Am-pere, and *for mail*, 61 Hollywood Ave., East Orange, N. J.
- KIDDER, Walter M. (Associate-Member, 1914), Cons. and Production Engr., 127 W. 56th St., New York, N. Y.
- KIEBLE, O. B. (1917), Gen'l Supt., Schaw Batcher Ship Co., South San Francisco and 19 Baldwin Ave., San Mateo, Cal.
- KIEFER, E. W. (1918), 1st V. P., Port Huron Sulphite & Paper Co., and *for mail*, 2614 Military St., Port Huron, Mich.
- *KIEFFER, Paul J. (Associate-Member, 1916), Ensign, U. S. N. R. F., U. S. N. Steam Engrg. Sch., Hoboken, N. J., and 5528 Angora Terrace, Philadelphia, Pa.
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- KIESEL, William F., Jr. (1907), Asst. M. E., Pa. R. R., and *for mail*, 2320 Broad Ave., Altoona, Pa.
- KIESELBACH, Henry A. (Junior, 1914), Ch. Engr., Baker, Smith & Co., Inc., 576 Greenwich St., New York, N. Y., and *for mail*, 675 Park Ave., East Orange, N. J.
- KIHM, Otto R. (1917), Ch. M. E., Am. Can Co., Edgewater, and *for mail*, 309 30th St., Woodcliff on the Hudson, N. J.
- KIHN, Julius J. (Associate-Member, 1916), Distributor of Kissel and Oakland Motor Cars, 68 Summer St., and 215 W. Broad St., Stamford, Conn.
- KILGOUR, Dwight F. (1905; 1909), M. E., for Chas. E. Cotting, 11 Pemberton Sq., Boston, and Lexington, Mass.
- KILLGORE, Edwin R. (1917), Div. Supt. Pipe Line Dept., Stand. Oil Co., Patterson, Cal.
- *KILPATRICK, John D. (1913), Lieut. Col., U. S. A., Unattached Serv., France, and *for mail*, Care of E. C. Houghton, Mesilla Park, N. M.
- KILPATRICK, William J. (1918), Factory Mgr., Burroughs Adding Mch. Co., and *for mail*, 36 Greenfield Ave., Detroit, Mich.
- KIMBALL, Clinton (1913), M. E., Vinegar Hill Zinc Co., 112 S. Court St., and *for mail*, 508 W. Pine St., Platteville, Wis.
- KIMBALL, Dexter S. (1900), Prof. Mch. Design and Industrial Engrg., Cornell Univ., & 5 Central Ave., Ithaca, N. Y.
- KIMBALL, Dwight D. (1915), Cons. Engr., Richard D. Kimball Co., 15 W. 38th St., and Engineers' Club, New York, N. Y.
- KIMBALL, Raymond W. (1918), Boiler Rm. Engr., Sta. No. 2, Commonwealth Edison Co., 72 W. Adams St., and *for mail*, 531 Arlington Pl., Chicago, Ill.
- KIMBALL, Richard D. (1906), Cons. Engr., Richard D. Kimball Co., 6 Beacon St., Boston, and 304 High St., West Medford, Mass.
- KIMMAN, Martin T. (1912), Ch. Engr., Supt., Estate of L. J. McCormick, 332 Michigan Ave., and *for mail*, 3352 Douglas Blvd., Chicago, Ill.
- KIMMEL, Alfred W. (Junior, 1916), M.E., Airplane Engrg. Dept., Bureau of Aircraft Prod., McCook Field; and *for mail*, 421 Forest Ave., Dayton, O.
- KINCADE, Elmer C. (Associate-Member, 1913), Ch. Engr., Gulf Pipe Line Co., P. O. Drawer 1791, Houston, Tex.
- KINCAID, Morden F. (Associate-Member, 1918), Supt. Motive Power,

- Spokane, Portland & Seattle Railway, and *for mail*, 489 E. 19th St., North Portland, Ore.
- KIND. Morris (1912), Pres., Genl. Mgr., Hercules Cement Corp., 1602 Finance Bldg., Philadelphia, Pa.
- KINDER, J. J. de (1885), Life Member, Care of Am. Soc. M. E., 29 W. 39th St., New York, N. Y.
- KINDLUND, Martin G. (1915), Marine Arch. and Engr., Kindlund & Drake, 17 Battery Pl., New York, and 161 New York Ave., West New Brighton, N. Y.
- KING, Arthur D. (1914), Designing & Constr. Engr., Petterson Eng. Co., 311 Main St., and *for mail*, 10 Columbus St., Worcester, Mass.
- KING, Carl (1914), Instr., Wentworth Inst., Boston, and *for mail*, 22 Aldworth St., Jamaica Plain, Boston, Mass.
- KING, Charles A. (Junior, 1911), Cons. Mech. Engr. to Henry C. Meyer, Jr., 101 Park Ave., New York, N. Y., and *for mail*, 911 Watchung Ave., Plainfield, N. J.
- KING, Charles B. (1912), V. P., Genl. Mgr., The Marion Steam Shovel Co., Marion, O.
- *KING, Chas. G. Y. (1891), Lieut. Com., Ret., Ill. Nav. Militia; Constr. Engr., Commonwealth Edison Co., 72 W. Adams St., Chicago, and 1020 Sheridan Rd., Wilmette, Ill.
- KING, Charles W. G. (1906), Supt., The U. S. Metallic Packing Co., 221 N. 13th St., Philadelphia, and Rutledge, Delaware Co., Pa.
- KING, Edwin L. (Associate, 1914), Secy. & Treas., Pratt & Cadv Co., Inc., 556 Capitol Ave., and *for mail*, 17 Elizabeth St., Hartford, Conn.
- KING, Eugene W. (1912), M. E., Semet-Solvay Co., and 1169 Bellevue Ave., Syracuse, N. Y.
- KING, Frank (Associate-Member, 1917), Process Engr., Wright-Martin Aircraft Corp., Jersey Ave., Brunswick, and *for mail*, 31 S. 4th Ave., Highland Park, N. J.
- KING, Frank B. (1892), Cons. Marine Engr., Naval Arch., 1442 Rhode Island Ave., N. W., Washington, D. C.
- KING, Fred S. (1912), Natural Meter Co., 299 Broadway, and *for mail*, P. O. Box 1108, New York, N. Y.
- KING, Geo. C. (1908), Prof. of Engrg. Design, Purdue Univ., Lafayette, and *for mail*, 403 Wood St., West Lafayette, Ind.
- KING, George I. (1901), Mgr. Export Dept., East. Car Co., Ltd., New Glasgow, N. S., Canada, and *for mail*, 114 N. Union St., Middletown, Pa.
- KING, Harold M. (Associate-Member, 1914), Asst. Engr. Turbine Dept., Genl. Elec. Co., West Lynn, and *for mail*, Rm. 2, Y. M. C. A., Lynn, Mass.
- KING, Harry H. (Junior, 1918), M.E., Scovell, Wellington & Co., 10th Floor, 110 State St., Boston, Mass.
- KING, Howard V. (Junior, 1916), M.E., The Barrett Co., 17 Battery Pl., New York, N. Y., and *for mail*, 150 N. Munn Ave., East Orange, N. J.
- *KING, Matthew L. (1912), Maj., A. S. A., Engrg. Officer, **Air Serv.** Flying Sch. Post Field, Fort Sill, Okla.
- KING, Norman McL. (Associate, 1917), Engr. in charge, The Singer Bldg., Power Plant, 149 Broadway, New York, N. Y.
- KING, Roy S. (1904; 1910), Prof. Exper. Engrg., Georgia Sch. of Tech., and *for mail*, 149 Lucille Ave., Atlanta, Ga.
- KING, Vernon C. (Associate-Member, 1918), Acting Plant Engr., Spencer Wire Co., 80 Webster St., and *for mail*, 1 W. Lake St., Worcester, Mass.
- KING, W. Grant (1894; 1904), Pres., King Sewing Mch. Co., 90 Welland St., and 101 Chapin Parkway, Buffalo, N. Y.

- KING, Walter A. (1915), Wks. Mgr., Parker Bros., and *for mail*, 44 Randolph Ave., Meriden, Conn.
- *KING, W. Griffin (Junior, 1918), Ensign, U. S. N. R. F., and *for mail*, 7 Livingston Ave., New Brunswick, N. J.
- KINGSBURY, Albert (1892), Cons. Engr., 945 Oliver Bldg., and *for mail*, 219 Stratford Ave., Pittsburgh, Pa.
- *KINGSBURY, Chester L. (Junior, 1917), Capt., Ord. Dept., U. S. A., Watervliet Arsenal, Watervliet, and *for mail*, 13 Monroe Court, Troy, N. Y.
- KINGSBURY, J. G. (1906), Pres., Treas., The Grant Mfg. & Mch. Co., 90 Silliman Ave., and 2209 North Ave., Bridgeport, Conn.
- KINGSBURY, W. P. (1916), Booth Hotel, Independence, Kan.
- *KINGSLEY, Frank (1910), 1st Lieut., O. D., U. S. R., 94 Neptune Park, New Rochelle, N. Y.
- *KINGSTON, Arthur (Junior, 1913), Maj., Hdqrs., U. S. Marine Corps, Washington, D. C.
- KINKEAD, James A. (1903; 1915), 16 California St., San Francisco, and *for mail*, Stevens Creek Road, Cupertino, Cal.
- KINNE, Clarence E. (1899), Life Member; Secy., M. E., The Bagley & Sewall Co., Pearl St., and *for mail*, 116 S. Indiana Ave., Watertown, N. Y.
- KINNEY, Joseph N. (Associate, 1915), Contr. Engr., 30 Church St., New York, and 2619 Bedford Ave., Brooklyn, N. Y.
- KINNEY, Price W. (Associate, 1918), Employment Mgr., Gleason Wks., 1000 University Ave., and *for mail*, 38 Berkshire St., Rochester, N. Y.
- KINSEY, Alfred S. (1913), Supvg. Instr. Shop Practice, Stevens Inst. of Tech., Hoboken, and 102 Roland Ave., South Orange, N. J.
- KINSMAN, Richard E. (Junior, 1914), Comptroller, Am-LaFrance Fire Eng. Co., Inc., and 306 N. Church St., Elmira, N. Y.
- KIP, Henry E. (1918), Engr., Union Carbide Co., and *for mail*, 722 Buffalo Ave., Niagara Falls, N. Y.
- KIPP, Alfred R. (1906), Mech. Supt., Soo Line, Shoreham Shop, and 2434 S. Colfax Ave., Minneapolis, Minn.
- KIRBY, Frank E. (1880), Life Member; Engr., West End Apts., Pondfield Rd., Bronxville, N. Y.
- KIRCALDIE, William I. (Associate-Member, 1918), Engrg. Staff, Am. Appraisal Co., Milwaukee, Wis.
- KIRK, Donald (Junior, 1917), Estimator, Chickasaw Shipbldg. Co., Mobile, and *for mail*, Axis, Ala.
- KIRK, Jay B. (Associate, 1916), Pres., J. B. Kirk Gas & Smelting Co., and 2 W. Buchanan, Iola, Kans.
- KIRK, Robert H. (1895; 1903), 61 Broadway, New York, and *for mail*, 100 Buckingham Rd., Brooklyn, N. Y.
- KIRK, William F. (1893), Mgr., McLanahan-Stone Mch. Co., and *for mail*, 1005 Allegheny St., Hollidaysburg, Pa.
- KIRKHAM, Charles B. (Associate-Member, 1918), Ch. Designing Engr., Curtiss Engrg. Corp., and *for mail*, 29 Euston Rd., Garden City, L. I., N. Y.
- KIRKPATRICK, W. Alton (Associate-Member, 1918), C. H. Wheeler Mfg. Co., 18th & Lehigh Ave., and *for mail*, 4220 Osage Ave., Philadelphia, Pa.
- KIRKUP, Joseph P. (1908; 1912), Asst. Supt. Const. & Equip., Borden's Condensed Milk Co., 108 Hudson St., New York, and 234 25th St., Elmhurst, L. I., N. Y.
- KIRMES, Edwin W. (Associate-Member, 1918), Engr., Walworth English Fleet Co., 100 Pearl St., Boston, and *for mail*, 29 Oakland St., Melrose, Mass.

- KIRSCH, George H. (1918), Cons. M.E., Larkspur, Marin Co., Cal.
- KIRSCH, James L. (1914), Address Unknown.
- KISSICK, Joseph, Jr. (Junior, 1909), Genl. Sales Mgr., No. Equip. Co., 111 W. 11th St., Erie, Pa.
- KITE, Henry J. (Junior, 1915), Wks. Engr., Pa. Seaboard Steel Corp., Baldt Wks., New Castle, Dela., and *for mail*, 3929 Baring St., Philadelphia, Pa.
- KITSON, Frank C. (Junior, 1918), Jr., Engr., U. S. Shipping Board, Emergency Fleet Corp'n, 901 Alaska Commercial Bldg., and *for mail*, 701 Taylor St., San Francisco, Cal.
- KITTREDGE, John W. (Associate-Member, 1916), Designer, Diamond Match Co., and *for mail*, P. O. Box 393, Barborton, O.
- KLAER, Henry J. (Associate-Member, 1916), Genl. Mgr., Penn. Sealoard Steel Corp'n, 1417 Sansom St., Philadelphia, and *for mail*, Chester, Pa.
- KLAUDER, Louis T. (1916), Constr. Engr., Philadelphia Rapid Transit Co., Philadelphia, Pa., and *for mail*, 830 Park Ave., Collingswood, N. J.
- KLAUSMEYER, David C. (1916), Asst. to Genl. Mgr., The Cincinnati Bickford Tool Co., Oakley, Cincinnati, O.
- KLECKNER, Arthur C. (Associate-Member, 1918), Ch. Engr., The Webster Elec. Co., Racine, Wis.
- KLEIN, Arthur W. (1903; 1911), Prof. M. E., Lehigh Univ., South Bethlehem, and *for mail*, 224 S. High St., Bethlehem, Pa.
- KLEIN, Chester T. (Junior, 1917), Supt., Ohio Blower Co., and *for mail*, Box 480, Orrville, O.
- KLEIN, Edward W. (Associate-Member, 1918), Heating Engr., Bishop Babcock Becker Co., 60 W. Mitchell St., and *for mail*, 227 Myrtle St., Atlanta, Ga.
- KLEIN, George F. (Junior, 1913), Supt. Steam Htg. Utility, Union Elec. Light & Power Co., St. Louis, Mo.
- KLEIN, Otto H. (1913), Dir. Central Testing Lab., City of N. Y., 125-127 Worth St., New York, and 368 St. Paul's Ave., Tompkinsville, S. I., N. Y.
- KLEIN, William H. (1913; Associate-Member, 1914), Genl. Supt., Dixie Portland Cement Co., Richard City, Tenn.
- KLEPINGER, John H. (1907), Brookston, Ind.
- KLEISRATH, Victor W. (1912), Cons. Engr., Simms Magneto Co., and Marlborough Hotel, East Orange, N. J.
- KLINCK, Fred E. (Associate-Member, 1917), M. E., Metallurgist, H. Mueller Mfg. Co., and *for mail*, 525 W. Packard St., Decatur, Ill.
- *KLINCK, J. Henry (1904), Maj., Q. M. C., U. S. A., and *for mail*, 2915 13th St., N. E., Washington, D. C.
- KLING, Louis A. (1914), Supt., G. C. Kuhlman Car Co., Collingwood, Cleveland, and 1218 Carlyon Rd., East Cleveland, O.
- KLOCK, Ernest L. (1917), Mgr., Central Romana, Inc., La Romana, Inc., R. D., West Indies.
- KLOCK, Frank B. (Associate, 1907), Asst. Mgr. Caustic and Bi-Carbonate of Soda Depts., The Solvay Process Co., and *for mail*, 216 N. Lowell Ave., Syracuse, N. Y.
- KLOCKARS, Charles O. (Associate, 1911), Supt., Essex Fdy., Murray St. and Ave. D., and *for mail*, 41 Lyons Ave., Newark, N. J.
- KLOCKE, Joseph F. (Associate-Member, 1915), Ch. Draftsman Die Dept., E. W. Bliss Co., 17 Adams St., and *for mail*, 1322 Jefferson Ave., Brooklyn, N. Y.
- *KLOTZ, Harry J. (Junior, 1913), 2nd Lieut., Air Serv. (Aero), Sch. of Military Aeronautics, Univ. of Illinois, and *for mail*, 311 N. Edwin St., Champaign, Ill.

- KLUMPP, John B. (1909), Inspec. Engr., The United Gas Improvement Co., 1401 Arch St., and 214 S. 39th St., Philadelphia, Pa.
- KNAPP, Chas. S. (1918), M.E., Pullman Car Lines, Rm. 820, 79 West Adams St., Chicago, Ill.
- KNAPP, Edwin C. (Junior, 1893), Calculator Steam Turbine Dept., Genl. Elec. Co., Bldg. 56, and *for mail*, 180 Furman St., Schenectady, N. Y.
- KNAPP, Edwin R. (1915), Prof. Descriptive Geom. and Mech. Drawing, Stevens Inst. of Tech., Hoboken, N. J.
- KNAPP, Leland G. (1917), The Wisconsin Motor Mfg. Co., and 377 Kenwood Blvd., Milwaukee, Wis.
- KNAPP, Walter (Associate-Member, 1915), Mfg. Div., Pittsfield Wks., Genl. Elec. Co., and *for mail*, 46 Euclid Ave., Pittsfield, Mass.
- KNAUER, Henry S. (Associate-Member, 1918), Asst. Engr. of Tests & Ch. Draftsman, So. Pacific R. R. Co., Genl. Shops, and 440 Daly St., Los Angeles, Cal.
- *KNEASS, Strickland, Jr. (Junior, 1916), 2nd Lieut., 8th Inf. Rep. & Tr. Battn., Camp Lee, Va., and 418 S. 15th St., Philadelphia, Pa.
- KNEASS, Strickland L. (1890), Mgr. Injector Dept., Wm. Sellers & Co., 1600 Hamilton St., and 418 S. 15th St., Philadelphia, Pa.
- KNECHT, Arthur E. (Associate-Member, 1918), Prod. Engr., 11 Bella Vista Place, Cincinnati, O.
- KNEELAND, Frank H. (Junior, 1909), Assoc. Editor, Coal Age, 10th Ave. and 36th St., New York, N. Y., and 669 Devon St., Arlington, N. J.
- *KNERR, Lewis E. (Junior, 1916), Capt., E. O. R. C., U. S. A., 3338 Broadway, Kansas City, Mo.
- KNICKERBACKER, John (1891), Pres., Eddy Valve Co., Waterford, and *for mail*, 86 First St., Troy, N. Y.
- *KNIENE, Harold G. (Junior, 1917), Prvt., 1st Class, Engrg. Sec., Ord. Dept., 6th & B Sts., N. W., and *for mail*, Rm. 543, Y. M. C. A., Washington, D. C.
- KNIGHT, Alfred H. (1909), Engr., Patents, Invention, Dodge Bros., and *for mail*, 199 Longfellow Ave., Detroit, Mich.
- KNIGHT, Arthur (Associate-Member, 1918), Gage Design & Tolerance Engr., Greenfield Tap & Dye Corp., and *for mail*, 26 Pomona St., Springfield, Mass.
- KNIGHT, Bernard O. (Junior, 1918), Aeronautical M. E., Dayton Savings & Trust Bldg., Dayton, Ohio.
- KNIGHT, Charles A. (1884), Dir., Babcock & Wilcox, Ltd., Farrington St., London, and 20 Hanover Terrace, Regent's Park, London, N. W., England.
- KNIGHT, Charles D. (1912), Wks. Mgr., Sprague Elec. Wks., Bloomfield, N. J.
- KNIGHT, Earl R. (Junior, 1917), Sgt., Ord. Dept., Co. A, 8th Battalion, U. S. A., A. E. F., France, and *for mail*, 97 Peace St., Providence, R. I.
- KNIGHT, Frederick D. (1917), Supt. of Constr., Stone & Webster, P. O. Box 1224, Springfield, Mass.
- KNIGHT, Geo. L. (1905; 1908), Designing Engr., Edison Elec. Ill. Co. of Brooklyn, 360 Pearl St., and 111 82nd St., Brooklyn, N. Y.
- KNIGHT, Ira D. (Associate, 1915), Engr. Drive Chain Dept., Link-Belt Co., 329 W. 39th St., and 1535 E. 67th Pl., Chicago, Ill.
- *KNIGHT, William (1915; 1917), 1st Lieut., U. S. R. Aviation Sec., Signal Corps, care of Ch. Signal Officer, U. S. A., Washington, D. C., and *for mail*, 509 W. 174th St., New York, N. Y.
- KNIGHT, William A. (1915), Assoc. Prof. Meh. Shop Practice, Ohio State Univ., and 206 W. Lane Ave., Columbus, O.
- KNISELY, Edw. S. (1906), Genl. Sales Agt., Bethlehem Steel Co., 3rd Street, and 150 S. Center St., Bethlehem, Pa.

- KNISKERN, W. H. (1905; 1912), P. O. Box 607, Sheffield, Ala.
- KNOBLOCH, Alvin F. (1914), V. P. & Wks. Mgr., Cleveland Tractor Co., Cleveland, O., and 317 Chicago Blvd., Detroit, Mich.
- KNOEBEL, Carl B. (Junior, 1916), Lieut., Co. "A," 57th Engrs., 53 Rue Lord Kitchener, France; Ch. Draftsman, Intnl. & Gt. No. Ry. Co., Box 580, Palestine, and *for mail*, Odem, Tex.
- KNOEPPPEL, Charles E. (Associate-Member, 1915), Pres., C. E. Knoeppel & Co., 101 Park Ave., and 50 Morningside Drive, New York, N. Y.
- KNOOP, Theo. M. (1904; 1916), Mem. of Firm, Curtis & Knoop Chem. Wks., 275 Water St., New York, and *for mail*, 25 Clarkson Ave., Brooklyn, N. Y.
- KNOFF, George W. (1916), Struct. Engr., 5467 Walnut St., Philadelphia, Pa.
- KNORR, Karl W. (1910), Asst. Sales Mgr., Dodge Sales & Engrg. Co., and *for mail*, 480 Cahoun St., Mishawaka, Ind.
- KNOUS, Franklin F. (1889), 265 Bassett St., New Haven, Conn.
- KNOWLES, Clarence R. (1916), Supt. Water Serv., Ill. Central R. R., 135 E. 11th Pl., and 6504 Greenwood Ave., Chicago, Ill.
- KNOWLES, Charles H., (Associate-Member, 1918), Principal Ass't Engr., The Arnold Co., U. S. General Hospital No. 3, Colonia, and *for mail*, 11 W. Milton Ave., Rahway, N. J.
- KNOWLES, Lucius J. (Associate, 1918), Pres., Crompton & Knowles Loom Wks., 93 Grand St., Worcester, Mass.
- KNOWLES, Morris (1907), Ch. Engr., Housing Dept., U. S. S. B., E. F. C., Phila.; Pres., Morris Knowles, Inc., 1200 Jones Bldg., and 5814 Stanton Ave., Pittsburgh, Pa.
- KNOWLTON, Chase H. (Junior, 1917), Spec. Engr. M. P. Dept., C. C. C. & St. L. Ry., 703 Majestic Bldg., and 1954 Park Ave., Indianapolis, Ind.
- KNOWLTON, Edgar (1916), E. E., Genl. Elec. Co., and *for mail*, 310 Lenox Rd., Schenectady, N. Y.
- KNOWLTON, Edward K. (1915), Power Supt., Stand. Oil Co., and *for mail*, 85 W. 34th St., Bayonne, N. J.
- *KNOWLTON, Frederic K. (1904; 1917), Capt., O. R. C., U. S. A., Gun Sec., Prod. Div., 1824 23rd St., N. W., Washington, D. C.; Pres., M. D. Knowlton Co., 29 Elizabeth St., Rochester, and *for mail*, The Pines, East Ave., Pittsford, N. Y.
- KNOWLTON, Winfield B. (1912), Constr. Engr., Am. Woolen Co., Mill St., Lawrence, and *for mail*, 69 Salem St., Andover, Mass.
- KNOX, Carlos C. (Junior, 1918), Asst. Inspec. of Engrg. Material, U. S. N., U. S. S. *Carola 4*, care of Postmaster, New York, N. Y.
- KNOX, Clarence M. (Junior, 1911), Mgr., The Sanitary Laundry Co., 339 Church St., and 18 Chapin Pl., Hartford, Conn.
- KNOX, Garner L. (Junior, 1917), Box 114, Arcade Sta., Los Angeles, Cal.
- KNOX, S. L. Griswold (1892; 1901), Cons. Engr., 544 Market St., San Francisco, and San Rafael, Cal., and *for mail*, Care of R. B. Knox, 1 Exchange Bldg., Duluth, Minn.
- KOCH, Charles (Junior, 1916), Master Checker, Am. Inter. Shipbuilding Corp., Hog Island, and *for mail*, 6632 Woodland Ave., Philadelphia, Pa.
- KOCH, Felix (1916), M. E., Pressed Steel Car Co., Pittsburgh, and *for mail*, S. Fremont and Lincoln Ave., Bellevue, Pa.
- KOCH, George B. (1909), Genl. Foreman, South Altoona Foundries, Pa. R. R., and 809 Chestnut St., Altoona, Pa.
- KOCH, Henry (Associate, 1913), 6 Highland Ave., Jamaica, L. I., N. Y.
- KOCH, William H., Jr. (1916; Associate-Member, 1918), Eff. Engr., Elec. Cable Co., Bridgeport, Conn., and *for mail*, 407 Palisade Ave., West Hoboken, N. J.

- KOENIG, Adolph G. (Associate, 1909), Cons. Engr., 405 Lexington Ave., New York, N. Y., and *for mail*, 31 Hudson Pl., Highwood Park, Weehawken, N. J.
- KOEPEL, Edward (1913), Supt. Mills, Copper Range Co., Beacon Hill, Mich.
- KOERNER, Theodore H. (Associate-Member, 1917), Supt., Diamant Tool & Mfg. Co., 164 Emmett St., Newark, and 54 Union Ave., Irvington, N. J.
- KOESTER, Herman (1911; 1913), Genl. Supt., The Bristol Co., and *for mail*, 48 Columbia Blvd., Waterbury, Conn.
- KOHLBUSCH, Arthur H. (Associate-Member, 1918), Constr. Supt., Pub. Serv. Elec. Co., Essex Sta., Newark, and 2672 Boulevard, Jersey City, N. J.
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- KOHLER, David S. (1900), Genl. Supt., Oliver Iron & Steel Co., and 1138 Portland St., E. E., Pittsburgh, Pa.
- KOHN, Louis (Junior, 1918), M.E., Dravo Contr. Co., and *for mail*, 1200 Braddock Ave., Pittsburgh, Pa.
- KOHN, Nathan (1918), Owner, The P-K Engrs., 1906 Pine St., St. Louis, Mo.
- KOINER, C. Wellington (1915), Power Expert, Power Sec., Div. of Shipyards Plants, U. S. Shipping Bd., Emergency Fleet Corp., Philadelphia, Pa., and *for mail*, 1912 N. Fair Oaks Ave., Pasadena, Cal.
- KOLLBERG, Gustaf L. (1910), Engr. Pumping Eng. Dept., Allis-Chalmers Mfg. Co., and *for mail*, 280 31st St., Milwaukee, Wis.
- KOMPASS, Frank O. (Junior, 1917), Supt., M. T. Davidson Co., 43 Keap St., Brooklyn, and *for mail*, 273 E. 176th St., New York, N. Y.
- KONSTANKEWICZ, Michael J. (Junior, 1911), Plant Engr., Detroit Steel Products Co., Blvd. and Griffin St., and *for mail*, 189 Clairmount Ave., Detroit, Mich.
- KOPE, Emil A. (Associate-Member, 1918), Asst. to M. E., Singer Mfg. Co., Elizabethport, and *for mail*, 79 Sherman Ave., Newark, N. J.
- KOPKE, Ernst (1913), Mech. and Sugarhouse Engr., Honolulu Iron Wks. Co., and *for mail*, 1535 Kewalo St., Honolulu, Hawaii.
- KOPLIN, Robert D. (Junior, 1911), Bethlehem Steel Co., South Bethlehem, and *for mail*, 609 N. 12th St., Allentown, Pa.
- KOPPER, Edward, Jr. (Associate-Member, 1918), Ch. Engr., Standard Conveyor Co., North St. Paul, and *for mail*, 809 Goodrich Ave., St. Paul, Minn.
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- KOSKINEN, Einar T. (Associate-Member, 1918), Draftsman, Nordberg Mfg. Co., and *for mail*, 601 Superior St., Milwaukee, Wis.
- *KOSSIF, N. (Junior, 1917), Cadet, Air Serv., Aero Observers Co., Sch. of Fire, Fortress Monroe, Va., and *for mail*, care of E. V. McNamara, 126 Baldwin St., Newark, N. J.
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- KOTTICAMP, John P. (1910; 1913), Head Mech. Lab., Cons. Engr., Pratt Inst., 215 Ryerson St., and 222 Willoughby Ave., Brooklyn, N. Y.
- KOTZ, Emil F. (Junior, 1916), Designer Engrg. Dept., Semet-Solvay Co., and *for mail*, 710 McBride St., Syracuse, N. Y.
- *KOUWENHOVEN, Frank W. (Junior, 1917), Prvt., Air Service School for Radio Operators, Univ. of Texas, Austin, Tex.; Engr. of Tests, New York Steam Co., Sta. "A," 2 Burling Slip, New York, and *for mail*, 8 Kouwenhoven Pl., Brooklyn, N. Y.

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- KRAEMER, Milton (1918), Cons. Engr., 513-515 Rialto Bldg., San Francisco, Cal.
- KRAMER, Xavier A. (Associate, 1912), Cons. Engr., Magnolia, Miss.
- KRANNERT, Herman C. (Associate-Member, 1917), Pt. Mgr., Sefton Mfg. Corp., and *for mail*, 925 W. 7th St., Anderson, Ind.
- KRANZ, William G. (1909), V. P., in charge Mfg., The Natl. Malleable Castings Co., 7706 Platt Ave., Cleveland, and 2600 Norfolk Rd., Cleveland Heights, O.
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- *KRAUS, Sydney M. (Associate-Member, 1916), Lieut. Comdr., U. S. N., Bureau Steam Engrg., Navy Dept., Washington, D. C., and 159 W. Main St., Peru, Ind.
- KRAUSE, Albert E. (Associate-Member, 1913), 167 Lehigh Ave., Bethlehem, Pa.
- KRAUSE, Arthur E. (1887), Mfr. Oil and Grease, Extracting Filters for Condensate Returns, 25 Morris Ave., Mountain Lakes, N. J.
- KRAUSE, William A. (Junior, 1917), Asst. Engr. of Tests, Navy Dept., Hull Div., Navy Yard, New York, N. Y.
- KRAUT, Hans B. (1916), M. E., Export Mgr., Joseph T. Ryerson & Son, 16th and Rockwell St., and *for mail*, 1135 Farwell Ave., Chicago, Ill.
- KREBS, A. Sonnin (1901; Associate, 1905), Newport, Del.
- KREHBIEL, Frederick A. (Associate, 1902), Pres., Krehbiel Co., 1712 Marquette Bldg., Chicago, and Hinsdale, Ill.
- KREHER, Ernest (1915), Pres., Genl. Mgr., Tampa Shipbuilding & Engrg. Co., Tampa, Fla.
- KREIDLER, D. W. (1917), Ch. Engr., Carburetor Div., Detroit Lubricator Co., 1220-1278 Trumbull Ave., and *for mail*, Warwick Apartments, 669 Second Ave., Detroit, Mich.
- KREISER, Walter W. (Junior, 1916), Asst. Engr. Tests, U. S. Government, N. Y. Navy Yard, Mech. Lab. Bldg. No. 6, Brooklyn, N. Y., and *for mail*, 91 Linden Ave., Jersey City, N. J.
- KREISINGER, Henry (1912), Engr., U. S. Bureau of Mines, and 830 Jancey St., Pittsburgh, Pa.
- KREMER, Waldemar R. (1912), Cons. Engr., Sales Mgr., Vilter Mfg. Co., and *for mail*, 637 Van Buren St., Milwaukee, Wis.
- KREMERS, Clarence H. (1914; Associate-Member, 1916), Metallurgical Imp. Corp'n., 144 E. Broadway, Salt Lake City, Utah.
- KRESSLER, Oscar (1913), Maintenance Engr., Dayton Engrg. Lab. Co., Domestic Bldg. Co., care of The Delco Co., Dayton, and *for mail*, 814 Harman Ave., Oakwood, Dayton, O.
- KRETSCHMER, Frederick G. (Associate, 1895), Prop., F. G. Kretschmer & Co., Gutleustr. 2, and *for mail*, Gallus-Anlage 1, Frankfort-on-Main, Germany.
- KREIGER, Arthur H. (1916), Genl. Mgr., Celite Products Co., 11 Broadway, New York, N. Y., and *for mail*, 1135 Van Nuys Bldg., Los Angeles, Cal.
- KRIMMEL, Ernst (1914), Htg. and Vent. Engr. with Werner Nygren, 101 Park Ave., New York, and 436 Amity St., Flushing, L. I., N. Y.
- KROESCHELL, Robert A. (Junior, 1915), Sales Engr., Kroschell Bros., Ice Mch. Co., 472 W. Erie St., and 6410 Glenwood Ave., Chicago, Ill.
- KRONFELD, Gus. L. S. (Associate-Member, 1917), M. E., Representative, The Haynes Stellite Co., 2220 Farmers Bank Bldg., Pittsburgh, and *for mail*, 110 Colonial Apts., Wilkinsburg, Pa.
- KROTO, George (1908), Pres., Church St. Mach. & Eng. Corp'n, 30 Church St., New York, N. Y.

- KRUCKLIN, Walter (Associate-Member, 1918), Tool Designer, Draftsman, Remington Arms and Amm. Co., Boston Ave., and *for mail*, 667 William St., Bridgeport, Conn.
- KRUEGER, George H. (Junior, 1918), Engrg. Draftsman, Ames Shipbldg. & Dry Dock Co., and *for mail*, 1408 E. 42nd St., Seattle, Wash.
- KRUESI, August H. (1901; 1904; 1915), Engr. of Constr., Genl. Elec. Co., and 7 Adams Rd., Schenectady, N. Y.
- KRUG, William F., Jr. (Junior, 1918), Jr. Engr., E. I. du Pont de Nemours & Co., Room No. 860, and *for mail*, 2515 Monroe St., Wilmington, Del.
- KRUMMEL, Louis C. (1901), Cons. Engr., 488 Nostrand Ave., Brooklyn, N. Y.
- KRYZANOWSKY, Constant J. (Associate, 1902), Pres., Tungsten Products Co., Baltimore and Eighth Sts., Baltimore, and Hill Top Park, Mt. Washington, Md.
- KUEHN, Hugo R. (Junior, 1917), 1521 S. Hamlin Ave., Chicago, Ill.
- KUEN, William E. (Associate-Member, 1915), Drexel Hill, Del. Co., Pa.
- *KUGEL, H. K. (Junior, 1913), Lieut., Co. E, 310th Engrs., Camp Custer, Mich.
- KUHLEN, Frederick, Jr. (Junior, 1916), Engr., Automatic Straight Air Brake Co., 183 Greenwich St., New York, N. Y., and *for mail*, 20 Carlton Ave., Jersey City, N. J.
- *KULLING, Otto W. (Associate-Member, 1915), Hdqrs. Co., 315th Inf., Camp Meade, Md., and *for mail*, Meadowbrook, Pa.
- KUNHARDT, Lewis H. (1905), V. P., Engr., Boston Mfrs.' Mut. Fire Ins. Co., 31 Milk St., Boston, and *for mail*, 303 Franklin St., Melrose Highlands, Mass.
- KUNZ, William J. (Junior, 1916), M.E., The Air Reduction Co., 120 Broadway, New York, N. Y.
- *KUNZE, Edward J. (1907), Capt., Quartermaster Dept., U. S. R., Fort Riley, Kan., and *for mail*, East Lansing, Mich.
- KUO, Cheng-Chih (Junior, 1918), Harlans & Hollingsworth Corp. and *for mail*, General Delivery, Wilmington, Del.
- KUPFER, Otto, Jr. (Junior, 1915), Gun Div., Ord. Dept., U. S. A., 1330 F St., Washington, D. C., and *for mail*, 300 Hudson St., Hoboken, N. J.
- KUPFERLE, Edward (1899), Pres., Kupferle Bros. Mfg. Co., 600 N. 2d St., and 5226 Waterman Ave., St. Louis, Mo.
- *KURTZ, Walter W. (Junior, 1918), Engr., U. S. M. R. F., Supply Dept., Navy Yard, Norfolk, and *for mail*, 1036 Naval Ave., Portsmouth, Va.
- KUSS, Robert H. (1913), Cons. M. E., Suite 801, 112 W. Adams St., and 5784 E. Circle Ave., Chicago, Ill.
- KUTTER, H. L. (1902; 1907), Secy., Sales Mgr., Engr., The Black-Clawson Co., and *for mail*, 843 Dayton St., Hamilton, O.
- *KUTTNER, Julius (Junior, 1917), Warrant Machinist, U. S. N. R. F.; Engr., Sperry Gyroscope Co., 40 Flatbush Ave. Ext., Brooklyn, and *for mail*, 113 E. 17th St., New York, N. Y.
- KUWADA, Gompie (1900), Maitani Mura, Kawabe gori, Niogs ken, Japan.
- KWANG, Kwong Yung (1899), Life Member; Dir., Engr., Lincheng Mines, Lincheng, Chihli Province, Kin-Han Ry., via Peking, North China.
- KYHL, Louis C. (Associate-Member, 1917), Ch. Draftsman, Am. Smelting & Refining Co., Omaha, Neb.
- KYLE, Samuel C. (Associate-Member, 1917), Sales Engr., U. S. Ball Bearing Mfg. Co., 436 Rialto Bldg., and 2211 Broderick St., San Francisco, Cal.
- LAABS, Eric H. (Junior, 1917), M. E., Cutler-Hammer Mfg. Co., Milwaukee, Wis.

- LACAZETTE, A. A. (Junior, 1916), West India Oil Co., P. O. Box 745, Havana, Cuba.
- *LACOMBE, Charles F. (1915), Maj., Engrs., Rm. 717, Council of Natnl. Defense, 18th & D Sts., N. W., Washington, D. C.
- LACOUNT, Henry O. (1907), Engr., Asst. Secy., Assoc. Factory Mut. Fire Ins. Co., 31 Milk St., Boston, and *for mail*, 124 College Ave., West Somerville, Mass.
- LA CROIX, Arthur J. (Associate-Member, 1914), Supt., Hyde Mfg. Co., and *for mail*, Everett St., Southbridge, Mass.
- LACY, Richard W. (Junior, 1917), Garfield & Oak Sts., and Box 471, South Pasadena, Cal.
- *LACY, Robert (Associate-Member, 1917), 1st Lieut., Engrs., U. S. A., Natnl. Screw Thread Comm., Bureau of Standards, Washington, D. C.
- *LADD, George T. (1896; Associate, 1901), Lieut. Com., U. S. N. R. F., Bureau Ord., Nav. Inspec. Ord., Baldwin Loco. Wks., Philadelphia; Pres., The George T. Ladd Co., 1620 Farmers Bank Bldg., and 5428 Baum Blvd., Pittsburgh, Pa.
- LADD, Jas. B. (1884), Cons. Engr., 1011 Chestnut St., Philadelphia, Pa.
- LAENCHER, Fred W. (1917), Ch. Engr., A. Kimball Co., 307 West Broadway, New York, and *for mail*, 113 Eldert Lane, Cypress Hills, Brooklyn, N. Y.
- *LA FON, Alphonse (Junior, 1917), 1st Lieut., U. S. R., 18th Co., C. A. C., Fort Hancock, Sandy Hook, and Box 95, Sewaren, N. J.
- *LAFORE, John A. (1904), Maj., Ord., U. S. A., Washington, D. C.; Bellevue Ct. Bldg., Philadelphia, Pa.
- LAGE, Jorge (1914), Life Member; Pres., Cia Nacional de Navegacao Costria, Rue da Candelaria 4, Rio de Janeiro, Brazil, S. A.
- LAGER, Carl A. (Junior, 1898), Supt., Morris Mch. Wks., Baldwinville, N. Y.
- LAGERHOLM, Axel F. (Associate-Member, 1917), Secy., J. E. Dockendorff & Co., Inc., 20 Broad St., New York, and *for mail*, 110 Columbia Hgts., Brooklyn, N. Y.
- LAICHINGER, John (1914), M. E., Tait & Nordmeyer Engrg. Co., 1214 Internatl. Life Bldg., and 3511 Utah St., St. Louis, Mo.
- LAIRD, Walter J. (1918), Constr. Engr., E. I. du Pont de Nemours & Co., and *for mail*, 2402 W. 17th St., Wilmington, Del.
- LAIRD, Wilbur G. (1909; 1916), with Henry L. Doherty, 60 Wall St., and 400 W. 160th St., New York, N. Y.
- LAKE, Charles W. (Associate-Member, 1916), Address Unknown.
- LAKE, Simon (1907), Pres., Lake Submarine Co., and 29 Broad St., Milford, Conn.
- LAKEY, Arthur B. (Associate-Member, 1913), Assoc. Engr., with Albert Kingsbury, Cons. Engr., 532 Oliver Bldg., and 5762 Baum Blvd., Pittsburgh, Pa.
- LAMAR, Philip R. (1911), Dist. Mgr., The South Cotton Oil Co., and 35 W. 11th St., Atlanta, Ga.
- LAMB, Hawthorne M. (Associate-Member, 1917), Mech. Engr., Bureau of Valuation, Interstate Commerce Commission, 731 Wells Fargo Bldg., San Francisco, Cal.
- *LAMBELET, Carl H. (Junior, 1913), Capt., Ord. Dept., France, and *for mail*, 739 Boulevard East, Weehawken, N. J.
- LAMBSON, DeWitt C. (1912), M.E., Seymour Mfg. Co., Franklin St., and *for mail*, 18 Pearl St., Seymour, Conn.
- *LAMONT, Clarence B. (1914), Engr., O. R. C., U. S. A., Ret., Hoge Bldg., and *for mail*, 1414 E. Roy St., Seattle, Wash.
- LAMOREE, James K. (1916; Associate-Member, 1918), M. E., Shenango

- Wks., Am. Sheet & Tin Plate Co., and *for mail*, 1208 Highland Ave., New Castle, Pa.
- LAMPMAN, Jay B. (Associate, 1917), Asst. Genl. Sales Mgr., The Worthington Co., Inc., 209-210 Higgins Bldg., Los Angeles, and 409 S. Los Robles Ave., Pasadena, Cal.
- *LANCASTER, W. C. (1912), Capt., E. O. R. C., U. S. A., 904 Park Ave., Richmond, Va.
- *LANCE, Clarence C. (Associate-Member, 1918), Lieut., Co. "A," 50th Engrs., A. E. F., care of Postmaster, New York, N. Y., and *for mail*, 3 Edinburgh Apts., Portsmouth, Va.
- LAND, Frank (1900), Care of The Remington Arms U. M. C., Inc., 233 Broadway, New York, N. Y., and *for mail*, 44 St. Lukes Place, Montclair, N. J.
- LANDER, Roswell S. (1915), Engr., Johnson City, Tenn.
- LANDFEAR, George H. (Associate-Member, 1917), Designer, The J. G. White Engr. Corp'n, 43 Exch. Pl., New York, N. Y., and *for mail*, 708 Ave. E, Bayonne, N. J.
- LANDGRAF, Frederick K. (1916), Genl. Supt., Flannery Bolt Co., Bridgeville, and *for mail*, 60 Hawthorne Ave., Crafton, Pa.
- LANDGREBE, Karl L. (1917), Asst. Genl. Supt., Tenn. Coal, Iron & R. Co., and Palmer Terrace, Ensley, Ala.
- LANDIS, Mark H. (Associate-Member, 1913), Gen. Mgr., Supt., Engr., Landis Engrg. & Mfg. Co., 225 Ringgold St., and *for mail*, 228 Philadelphia Ave., Waynesboro, Pa.
- LONDON, A. A. (1902), V. P., Am. Radiator Co., 1807 Elmwood Ave., and 76 Penhurst Park, Buffalo, N. Y.
- LANDRETH, Olin H. (1883), Vice-President, 1885-1886; M.E., Estimate and Requirements Div., 120 C St., N. W., Washington, D. C.; Prof., Civil Engrg., Union College, Schenectady; Cons. Engr., 156 5th Ave., New York, N. Y.
- LANDT, James L. (Junior, 1918), Asst. to M. E., Semet-Solvay Co., Syracuse, N. Y.
- LANDVOIGHT, Thomas E. (1917), Acting Hgt., Vent. and Sanitary Engr., Municipal Building, and *for mail*, 1007 Monroe St., N. W., Washington, D. C.
- *LANE, Abbot A. (Junior, 1917), Capt., Air Serv., Aircraft Prod., 1550 Woodward Ave., Detroit, Mich.
- LANE, Almeron M. (1892), Life Member; Plantsville, Conn.
- LANE, Arthur M. (1903), Asst. Engr. Genl. Drawing Rm., Am. Loco. Co., and *for mail*, 32 Union Ave., Schenectady, N. Y.
- LANE, Augustus H. (Associate-Member, 1917), Engrg. Dept., Govt., Watervliet Arsenal, and *for mail*, 1534 1st Ave., Watervliet, N. Y.
- LANE, Frederick L. (1915), Mech. Supt., Engr., Haines, Jones & Cadbury Co., 1130-44 Ridge Ave., and *for mail*, 4921 N. 12th St., Philadelphia, Pa.
- LANE, Harry C. (1907), Asst. Ch. Engr., Bethlehem Steel Co., "O" St., and *for mail*, 620 "C" St., Sparrows Point, Md.
- LANE, Harry M. (1886), Pres., The Lane & Bodley Co., Bond Hill, and 949 Lenox Pl., Cincinnati, O.
- LANE, Henry Marquette (1900), Pres., The H. M. Lane Co., 707 Owen Bldg., Detroit, and 208 Highland Ave., Highland Park, Detroit, Mich.
- LANE, Horace H. (1918), Cons. & Designing Engr., 2320 Dime Bank Bldg., Detroit, Mich.
- LANE, J. S. (1882), M. E., The Engr. Co., 17 Battery Pl., and 416 W. 122d St., New York, N. Y.
- LANE, Leon K. (1913), Supt., 24 M. M. Plant, Motor Trucks, Ltd., Brantford, Ontario, and *for mail*, 20 Alhambra Ave., Toronto, Ont.

- LANEY, Frank R. (Associate-Member, 1918), Rep. in Field of M. M., Factory "E," Intnl. Silver Co., Meriden, Conn.
- *LANEY, Thomas G., Jr. (Junior, 1917), 2nd Lieut., Battery E, 341 Field Artillery, Camp Funston, Kan.
- LANG, Charles (1905; 1916), N. Y. Mgr., C. H. Wheeler Mfg. Co., 114 Liberty St., New York, and 348 Jefferson Ave., Brooklyn, N. Y.
- LANG, Charles A. (Junior, 1912), Supt., The Northwest. Consltd. Milling Co., 1st St. and 5th Ave., S., and *for mail*, 2300 S. Irving Ave., Minneapolis, Minn.
- LANG, Charles Wellington (1915; 1918), Asst. to Ch. Engr. of Ordnance, E. W. Bliss Co., foot of 53rd St., Brooklyn, N. Y.
- LANG, James (1918), Est. & Const. Engr., John Englis Co., Ltd., 14 Strachan Ave., and *for mail*, 20 Leopold St., Toronto, Canada.
- LANG, J. Gustaf V. (1918), Cons. Engr., 8 W. 40th St., New York, N. Y.
- LANG, John B. (Associate-Member, 1916), care of John Lang & Sons, Lathe Mfrs., Johnstone, and *for mail*, Lynhurst, Johnstone, near Glasgow, Scotland.
- LANG, John F. (1917), Supt., The Lamson Co., 196 Walker St., Lowell, Mass., and Lancaster & Parker Aves., Maplewood, N. J.
- LANG, Philip A. (1896), Managing Dir., The British Westinghouse Elec. & Mfg. Co., Ltd., 2 Norfolk St., Strand, London, W. C.
- LANG, William H. (1915), Secy., Treas., Phillips, Lang & Co., 343 S. Dearborn St., and 7621 Union Ave., Chicago, Ill.
- LANGE, Henry B. (Junior, 1910), Office of Ch. Statistician, Emergency Fleet Corp., Rm. 1019, 140 N. Broad St., Philadelphia, Pa.
- LANGE, Paul H. (1914), Ch. Engr., Max Ams Mach. Co., Geofield Ave., and 50 Grove St., Bridgeport, Conn.
- LANGE, Walter C. (Junior, 1914), Salesman, Doehler Die-Casting Co., Court, Ninth and Huntington Sts., Brooklyn, and *for mail*, 3021 Heath Ave., New York, N. Y.
- LANGELIER, Antoine J. (1914), Pres., Designing Engr., Langelier Mfg. Co., 51 Washington Ave. and 543 Laurel Hill Ave., Arlington, Cranstons, R. I.
- LANGEN, George (1906), Wks. Mgr., Cincinnati Planer Co., Oakley, Cincinnati, and 3558 Zunnstein Ave., Cincinnati, O.
- LANGFORD, George (1916), Gen. Supt., Am. McKenna Process Co., and R. F. D. 4, Joliet, Ill.
- *LANEY, Thomas G., Jr. (Junior, 1917), 2nd Lieut. Battalion E., 341
- LANE, Augustus H. (Associate-Member, 1917), Engrg. Dept., Govt.,
- LANDON, A. A. (1902), V. P. Am. Radiator Co., 1807 Elmwood Ave.,
- LAMOREE, James K. (1916); Associate-Member, 1918), M.E., Shenango
- *LAMONT, Clarence B. (1914), Engr. O. R. C., U. S. A., Ret., Hoge Bldg.,
- LAMB, Hawthorne M. (Associate-Member, 1917), Mech. Eng. Bureau of
- LAIRD, Walter J. (1918), Constr. Engr., E. I. Du Pont de Nemours
- LAINE, William B. (1914), Sales Mgr., Kirkman & Son, 215 Water St., Brooklyn, N. Y., and *for mail*, 301 William St., East Orange, N. J.
- *LA FON, Alphonse (Junior, 1917), 1st Lieut. U. S. R., 18th Co., C. A. Bureau Ord., Nav. Inspec. Ord., Baldwin Loco. Wks., Philadelphia, Pa.,
- LANGILL, Ross E. (Associate-Member, 1918), Ch. Engr., Sawmill Dept., The Prescott Co., and *for mail*, 1007 Ogden Ave., Menominee, Mich.
- *LANGILLE, H. B. (1915), Lieut. (j. g.), U. S. N. R. F., N. R. T. Camp, San Pedro; Asst. Prof., Mch. Design & Mech. Drawing, Univ. of California, Berkeley, Cal.
- LANGLOTZ, Charles L. (Junior, 1917), Asst. Engr., Allied Sugar Mchy. Corp., 120 Broadway, New York, and *for mail*, 148 Clarkson Ave., Brooklyn, N. Y.

- LANGLOTZ, Robert (1894; Associate, 1904), M. M. Merk & Co., and *for mail*, 104 Montgomery St., Rahway, N. J.
- *LANGSTROTH, Clifford B. (Junior, 1912), Capt., Ord. R. C., and *for mail*, 114 W. Milton Ave., Rahway, N. J.
- LANGVAND, I. L. (Associate, 1909), Ch. Draftsman, The Babcock & Wilcox Co., and *for mail*, 207 W. Holmes Ave., Barberton, O.
- LANHAM, Edwin J. (Associate-Member, 1916), Estimating Engr., The B. F. Goodrich Co., and *for mail*, 132 Carson Ave., Akron, O.
- LANNING, John G. (1916; Associate-Member, 1918), M. & E. E., Detroit Lubricator Co., Detroit, Mich.
- LANNON, John D. (Associate-Member, 1918), Genl. Supt., Savage Arms Corp., Sharon, Pa.
- LANSING, Raymond P. (Junior, 1917), Engr., Bijur Motor Lighting Co., 15th and Garden Sts., Hoboken, and *for mail*, 16 Grove Terrace, Montclair, N. J.
- LANYI, Louis (Associate-Member, 1917), Ch. Engr. Fan Div., Green Fuel Economizer Co., Beacon, and *for mail*, North White Plains, N. Y.
- LANZA, Gaetano (1882), Prof. Emeritus, Theo. & Applied Mech., Mass. Inst. of Tech., Cambridge, Mass.; Engr., Baldwin Loco. Wks., 500 N. Broad St., and *for mail*, The Montevista, 63rd & Oxford Sts., Philadelphia, Pa.
- LAPAT, Leopold (Junior, 1908), Erecting Engr., Henry R. Worthington, Harrison, and *for mail*, 249 Godwin St., Paterson, N. J.
- LAPHAM, Jared S. (Associate-Member, 1916), Adjunct Prof. of Exper. Engrg., Univ. of Va., University, Va., and *for mail*, Northville, Mich.
- LAPOTTERIE, Harry de (1918), Wks. Mgr., Townsend Co. and *for mail*, 1228 8th Ave., New Brighton, Pa.
- LAPP, Roy B. (Associate-Member, 1918), Plant Engr., Ingersoll-Rand Co., Painted Post, and *for mail*, Reynolds Ave., Corning, N. Y.
- LARDNER, Henry A. (1901), V. P., J. G. White Engrg. Corp., 43 Exchange Pl., New York, N. Y.
- LARKIN, A. C. (1895; 1905), Asst. Mgr. for Canada, Babcock & Wilcox, Ltd., St. Henry, Montreal, Que., Canada.
- LARKIN, Fred A. (1888), 570 Ocean Ave., Flatbush, L. I., N. Y.
- LARKIN, Fred V. (1915), Asst. Genl. Supt., Harrisburg Pipe & Pipe Bending Co., and *for mail*, 1522 State St., Harrisburg, Pa.
- LARKIN, William H., Jr. (1904), M. E., Revere Rubber Co., and 91 Tudor St., Chelsea, Mass.
- LARMER, James G. (1914), Lubricating Engr., Standard Oil Co., East 7th & Charles Sts., and *for mail*, West Hotel, Sioux City, Ia.
- LARNER, Chester W. (1907; 1912), The Larner-Johnson Valve & Engrg. Co., 1042 Widener Bldg., Philadelphia, Pa.
- *LARSEN, Charles (Associate-Member, 1916), Capt., Regt. Unit Supply Officer, 24th Engrs., A. E. F., via New York, Chelsea Term., and 2340 Williams St., Denver, Colo.
- LARSEN, Othmar I. (1916), E. & T. Fairbanks & Co., Scale Mfrs., East Moline, and *for mail*, Manufacturers Hotel, Moline, Ill.
- LARSON, Gustus L. (1915), Assoc. Prof., Steam & Gas Engrg., Univ. of Wis., and *for mail*, College Hills, Madison, Wis.
- LARSSON, Thure L. F. (1905), M.E., Norton Co., and 34 Holden St., Worcester, Mass.
- LASHER, George W. (Associate, 1914), Treas., Mgr., Munson Mill Mchy. Co., Inc., 405 Broadway, Utica, and *for mail*, 18 Hillside Ave., New Hartford, N. Y.
- LASK, Frederick (Associate-Member, 1913), Advertising Mgr., Am. Soc. M. E., 29 W. 39th St., and *for mail*, 1033 Boston Rd., New York, N. Y.

- LASSITER, Robert R. (Junior, 1916), Shop Engr., Richmond Forgings Corp., and *for mail*, Apt. 2, 701 N. Shepherd St., Richmond, Va.
- LATHAM, Bernard W. (1916), Asst. Ch. Mech. Engr., Cass Gilbert, Arch., 244 Madison Ave., New York, and Crestwood, Tuckahoe, N. Y.
- LATHAM, Harry M. (1908), 30 Sever St., Worcester, Mass.
- LATHROP, William F. (Junior, 1905), Milwaukee Mgr., Woodmansee-Davidson Engrg. Co., 1426 First Natl. Bank Bldg., and 732½ Frederick Ave., Milwaukee, Wis.
- LATON, Thomas J. (Junior, 1908), Instr. in Drawing, N. H. College, Durham, and *for mail*, Madbury, N. H.
- LATTER, Edward D. (Associate, 1918), Industrial Engr., 43 Exchange Pl., New York, N. Y., and *for mail*, 1103 4th Ave., Asbury Park, N. J.
- LATTIN, Albert N. (1917), Mech. Supt., New Departure Mfg. Co., and *for mail*, 223 Center St., Bristol, Conn.
- LATTIN, Judson (1891), 412 W. High St., Sycamore, Ill.
- LAUBENSTEIN, Albert R. (Associate-Member, 1918), Mgr. & Treas., Laubenstein Mfg. Co., Ashland, Pa.
- LAUDER, George B. (Junior, 1897), Cons. E. E., Concord, N. H.
- LAUER, Conrad N. (Associate, 1903), Genl. Mgr., Day & Zimmermann, Inc., 611 Chestnut St., Philadelphia, and 4918 Greene St., Germantown, Philadelphia, Pa.
- LAUER, Herbert H. (1914), Constr. Engr., Atlas Portland Cement Co., Northampton, and 1846 Turner St., Allentown, Pa.
- LAUGHLIN, Alexander (1913), Pres., Central Tube Co., 1800 First Natl. Bank Bldg., Pittsburgh, Pa.
- LAUGHLIN, Alex., Jr. (Junior, 1911), V. P., Central Tube Co., 1800 First Natl. Bank Bldg., Pittsburgh, and Sewickley, Pa.
- LAW, Frank E. (1911), V. P., The Fidelity & Casualty Co., 92 Liberty St., New York, N. Y., and *for mail*, 322 Claremont Ave., Montclair, N. J.
- LAWATSCH, Frank R. (Associate-Member, 1914), Ordnance and Engrg. Draftsman, Sandy Hook Proving Ground, Fort Hancock, and *for mail*, 688 Broadway, Long Branch, N. J.
- LAWRENCE, Howard B. (Associate-Member, 1918), Engr., John A. Stevens, Lowell, Mass.
- LAWRENCE, Howard F. (Junior, 1908), Test Engr., Am. Engrg. Co., Aramingo Ave. and Cumberland St., Philadelphia, and 811 66th Ave., Oak Lane, Philadelphia, Pa.
- LAWRENCE, J. W. (1892), Prof. Emeritus of M. E., State Agri. College, and *for mail*, 206 W. Myrtle St., Fort Collins, Colo.
- LAWRENCE, John H. (Junior, 1911), Asst. M. E., The N. Y. Edison Co., Irving Pl. and 15th St., and 440 Riverside Drive, New York, N. Y.
- LAWRENCE, Meredith F. (Junior, 1914), Dist. Mgr., Hyatt Roller Bearing Co., 520 Pennsylvania Bldg., Philadelphia, and Lonella Apts., Wayne, Pa.
- LAWRENCE, Norman S. (1915), Asst. Sales Eng., Whiting Fdy. Equip. Co., Harvey, and 1633 Hyde Park Blvd., Chicago, Ill.
- *LAWRENCE, Samuel E. (1909; 1916), Capt., Co. B, 57th Engrs., Laurel, Md.
- LAWRENCE, Schuyler (1902), Rm. 153, War Trade Board Bldg., Washington, D. C.
- LAWRENCE, Willis (1917), M. E., Interboro Rapid Transit Co., 600 W. 59th St., and 251 E. Kingsbridge Rd., New York, N. Y.
- LAWSON, Fenton (Associate, 1917), Pres., The F. H. Lawson Co., Cincinnati, Ohio.

- LAWSON, James T. (Associate-Member, 1915), System Oper., Pub. Serv. Elec. Co., 80 Park Pl., Newark, and 38 N. Burnett St., East Orange, N. J.
- LAWSON, Wm. S., Jr. (Associate-Member, 1917), Pres., Lawson & Co., Inc., 416 W. 33d St., and 743 Fifth Ave., New York, N. Y.
- LAWTON, Burton L. (1916), Treas., The Conn. Tel. & Elec. Co., Inc., and *for mail*, 91 Lincoln St., Meriden, Conn.
- LAWTON, Charles L. (1915), Genl. Mgr., Quincy Mine, Hancock, Mich.
- LAWTON, James E. (1912), V. P., Sales Mgr., Cons. Engr., Ward & Co., 816 14th St., N. W., Washington, D. C., and 206 Raymond St., Chevy Chase, Md.
- LAWTON, M. A. (1893), Treas., A. J. Morse & Son, Inc., 221 High St., Boston, Mass.
- LAWTON, Ralph W. (1914), Mgr., Jewell Export Filter Co., Inc., 10 Clive St., Calcutta, India, and P. O. Box 1316, Providence, R. I.
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- LAYAT, Felix (1912), M. E., E. I. du Pont de Nemours Co., Wilmington, Del.
- LAYNG, George H. (1913), V. P., Wks. Mgr., Lincoln Motor Co., cor. Holden & Lincoln Ave., and *for mail*, 189 Holbrook Ave., Detroit, Mich.
- LAZARUS, George H. (Junior, 1918), Mech. Engr., Savage Arms Corp., Erie Ave. & Sepviva St., and *for mail*, 3398 McKinley St., Phila., Pa.
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- LEA, Edward S. (1914), Cons. Engr., Art. Amm. Inspec. & Prod., 229 Chestnut Ave., Trenton, N. J.
- LEA, Robert B. (Junior, 1917), Mgr. Stabilizer Dept., Sperry Gyroscope Co., Manhattan Bridge Plaza, Brooklyn, N. Y.
- LEACH, Ralph W. E. (1915), N. E. Mgr., Am. Engrg. Co., Philadelphia, Pa., and 75 Gardner St., Allston, Mass.
- LEARMONTH, Alexander C. (Associate-Member, 1918), Ch. Engr., Power Plant, El Paso Elec. Ry. Co., and *for mail*, 2729 Wyoming Ave., El Paso, Tex.
- LEARY, Frank J. (Associate-Member, 1918), Hydraulic Engr., with Chas. W. Praray, Mill Engr., 304 Times Bldg., New Bedford, Mass.
- LEARY, George (1916), Pres., Treas., Morris & Cumings Dredging Co.; Pres., Treas., Red Hook Light & Power Co.; Pres., Treas., George Leary Constr. Co., 17 State St., and *for mail*, 1053 Fifth Ave., New York, N. Y.
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- LEAVITT, Frank M. (1887), 133 Plymouth St., Brooklyn, and *for mail*, Smithtown, L. I., N. Y.
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- LEBRECHT, A. (1910), Cons. Engr., Hefnersplatz 3, and Lenbachstr. 4, Nuremberg, Germany.
- LE CONTE, Joseph N. (1906), Prof. Engrg. Mech., Univ. of Cal. and 19 Hillside Court, Berkeley, Cal.
- LEDNUM, J. Maynard (Junior, 1917), M.E., Davison Chem. Co., Curtis Bay, and 261 N. Charles St., Baltimore, Md.
- LEDoux, J. W. (1910), Ch. Engr., Am. Pipe & Constr. Co., 112 Broad St., Philadelphia, and Swarthmore, Delaware Co., Pa.
- LEE, Cazenove G., Jr. (Associate-Member, 1917), 1075 Jefferson St., Washington, D. C.
- LEE, Clifford (Junior, 1916), M.E., Hercules Powder Co., Nitro, W. Va.
- LEE, Gilmer T. (1916), Mgr., The Solvay Process Co., Chemical Ave., and 106 15th St., E., Hutchinson, Kan.
- LEE, Nixon (1910; Associate-Member, 1913), Genl. Mgr., Sears Cross Co., 147 41st St., and *for mail* 1172 Union St., Brooklyn, N. Y.
- LEE, Ralph A. (Associate-Member, 1914), Spec. Engr., The Barrett Co., 17 Battery Pl., New York, and 578 75th St., Brooklyn, N. Y.
- LEE, Wallace R. (1913), Asst. Genl. Mgr., Havana Coal Co., San Pedro 2, and 115 Calle 14 Vedado, Havana, Cuba.
- LEE, Wm. F., (1907), Genl. Mgr., Richmond Metal Products Co., Inc., and *for mail*, 405 E. Grace St., Richmond, Va.
- LEE, William S. (1907), Ch. Engr., So. Power Co., Mercantile Bldg., and 433 E. Morehead St., Charlotte, N. C.
- LEECH, Edward (Associate-Member, 1918), Const. Engr., Barrett Co., Frankford, Pa., and *for mail*, Haddow Heights, N. J.
- LEEDS, Edward L. (1916), Genl. Sales Mgr., Niles-Bement-Pond Co., 111 Broadway, and 606 W. 116th St., New York, N. Y.
- LEEPER, Ralph W. (Junior, 1908), Specialist Steam Turbines, Genl. Elec. Co., 903 Provident Bank Bldg., Cincinnati, and 143 Kinsey Ave., Mt. Auburn, Cincinnati, O.
- LEES, Ernest J. (1907), Pres., Lees-Bradner Co., 6210 Carnegie Ave., Cleveland, and *for mail*, 3098 Berkshire Rd., Cleveland Heights, O.
- LEES, Kenneth F. (Junior, 1917), Contract Sales Mgr. & Mfg. Engr., Greist Mfg. Co., Blake St., and *for mail*, 139 Pendleton St., New Haven, Conn.
- LEESON, Charles G. (1913), Mgr. of Operations, Am. Gold Dredging Co., 715 Robinson St., Oroville, Cal.
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- LEGGE, Elmer E. (Junior, 1918), M. E. & Metallographist, Watervliet Arsenal, Watervliet, and *for mail*, 10 1st St., Troy, N. Y.
- LEGGETT, George R. (1912), Asst. to Genl. Supt., Scovill Mfg. Co., and *for mail*, 76 Randolph Ave., Waterbury, Conn.
- LEGGO, William F. (Associate, 1917), Sales Engr., The M. W. Kellogg Co., 90 West St., New York, and 348 Eastern Parkway, Brooklyn, N. Y.
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- *LEH, C. F. (Junior, 1917), Officers Training Camp for Engrs., Camp Humphreys, Va., and *for mail*, Trident, Mont.
- LEHMAN, Edward H. (Junior, 1913), Mech. Draftsman, The Lunkenheimer Co., Cincinnati, O., and *for mail*, 306 Byrd St., Covington, Ky.
- LEHMAN, John L. G. (Associate-Member, 1917), Asst. Engr., The Gt.

- West. Sugar Co., 600 Sugar Bldg., Denver, Colo., and *for mail*, care of The Gt. West. Sugar Co., Billings, Mont.
- LEHMAN, Werner (1916), M. E., Bucyrus Co., and *for mail*, 728 Michigan Ave., South Milwaukee, Wis.
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- LEIGH, Robert E. (Junior, 1912), Plant Engr., Charles F. Noyes Co., 92 William St., and *for mail*, 217 W. 128th St., New York, N. Y.
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- LEONARD, Albert P. (1918), A. M. E., Bureau of Aircraft Prod., Engrg.

- Div., Dayton, O.; Sugar Engr., Cuba Cane Sugar Corp., Banco Nacional Bldg., Habana Cuba, and 144 W. 82nd St., New York, N. Y.
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- *LEPS, Henry M. (1918), Lieut., U. S. N. R. F., Engrg. Asst., Office of Aide for Material, Rm. 202, McKeirtt Bldg., and *for mail*, 5th Nav. Dist., Citizens Bank Bldg., Norfolk, Va.
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- LESSER, W. H. (1911; 1914), M. E., E. E., Maderia Hill Coal Co., Frackville, Pa.
- LESTER, William (1918), Genl. Supt. & Ch. Engr., Vulcan Iron Wks., 1400 W. Colfax Ave., and *for mail*, 307 Columbine St., Denver, Colo.
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- LEVEY, John (1912), M.E., Natl. Mch. Wks., Sheffield and North Aves., Chicago, and *for mail*, Herrick Road, Riverside, Ill.
- LEVI, Elijah (Junior, 1918), Draftsman, Boston Navy Yard, and *for mail*, 156 Stanwood St., Boston, Mass.
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- LEVIN, Jacob (1918), Marine Draftsman, Am. Intl. Shipbldg. Corp., Hog Island, and *for mail*, 4645 Hutchinson St., Philadelphia, Pa.
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- LEWIS, Donald (Junior, 1918), Ch. Draftsman, Nova Scotia Steel & Coal Co., Ltd., and *for mail*, Box No. 1566, New Glasgow, N. S.
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- LISKOW, B. H. (1914), Plant Supt., Montague Iron Wks., Montague Mich.
- LISTER, Alfred (1913), Mech. Supt., Clark Thread Co., 260 Ogden St., Newark, N. J.
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- *LOCKARD, James P. (Junior, 1915), 2nd Lieut., 328th Field Art., Camp Custer, Mich., and *for mail*, 231 Norwood Ave., Buffalo, N. Y.
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- LOEWENSTEIN, Dr. Louis C. (1913), Engr., Genl. Elec. Co., West Lynn, and *for mail*, 15 Kimball Rd., Lynn, Mass.
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- LOGAN, James (Associate, 1904), First V. P., Genl. Mgr., U. S. Envelope Co., 75 Grove St., and *for mail*, 222 Salisbury St., Worcester, Mass.
- LOGAN, John W. (1894; 1899; 1904), Mgr. Steel Wks. Dept., Alan Wood, Iron & Steel Co., Conshohocken, and Bala, Montgomery Co., Pa.
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- LOIZEAUX, Alfred S. (1915), E. E., Consld. Gas, Elec. Light & Power Co., Baltimore, and Towson, Md.
- LONDON, William J. A. (1910), Engr., The Steam Motors Co., Inc., 10 Broadway and 70 Grenade Terrace, Springfield, Mass.
- LONG, George A. (1914), Genl. Mgr., Gray Telephone Pay Sta. Co., 30-40 Arbor St., and *for mail*, 32 Lorraine St., Hartford, Conn.
- LONG, Howard E. (1916), Ch. Draftsman, Designer, Am. Distr. Steam Co., North Tonawanda, and *for mail*, 38 Erie St., Lockport, N. Y.
- LONG, Jeremiah C. (1905), Ch. Engr., Boston Woven Hose & Rubber Co., Cambridge, and *for mail*, 44 Falmouth Rd., Arlington, Mass.
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- LOOMIS, Crawford C. (1918), Engr., The Remington Arms U. M. C. Co., Inc., and *for mail*, 43 Center St., Ilion, N. Y.
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- LOVEJOY, Frank W. (1901; 1914), Genl. Mgr. Mfg. Depts., Eastman Kodak Co., 343 State St., and 200 Seneca Parkway, Rochester, N. Y.
- LOVEJOY, Fred P. (1917), Pres. & Genl. Mgr., Lovejoy Tool Co., Inc., Springfield, Vt.
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- LOWER, Nathan M. (1913), Asst. Gen. Mgr., Loco. Stoker Co., Pittsburgh, and 292 N. Ralph Ave., Bellevue, Pa.
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- LUTZE, Jay H. (Junior, 1915), Asst. Supt., The Bristol Co., Waterbury, and *for mail*, P. O. Box 62, Union City, Conn.
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McCARTY, Richard J. (1901), V. P., K. C. So. Ry. Co., Kansas City So. Bldg., and *for mail*, 3820 Warwick Blvd., Kansas City, Mo.

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- McCLELLAN, George F. (1918), Inspc. Engr. of Pub. Utility Properties, Henry L. Doherty & Co., 60 Wall St., New York, and *for mail*, 53 42nd St., Irvington, N. J.
- McCLELLAN, William (1905), Paine, McClellan & Champion, 141 Broadway, New York, N. Y.
- *McCLELLAND, Cory C. (Junior, 1913), 6th Co., E. R. O. T. C., Camp Lee, Petersburg, Va., and 314 W. Lincoln St., Findlay, O.
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- McCLINTOCK, Edward H. (1901; 1905), Engr., Arch., McClintock & Craig, 33 Lyman St., Springfield, and Westfield Rd., West Springfield, Mass.
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- McCOLL, J. R. (1903), Mem. of Firm, Ammerman & McColl, 2348 Penobscot Bldg.; Dean Engrg. Dept., Univ. of Detroit, and 195 Chicago Blvd., Detroit, Mich.
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- McCORMACK, Leonard J. (1913; Associate-Member, 1917), Industrial Engr., 6234 Spruce St., Philadelphia, Pa.
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- McCOY, Lloyd (1918), Engr. on Spec. Work, Canadian Car Fdy Co., Transportation Bldg., Montreal, Que., Canada.
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- McCRARY, John A. (1912), Draftsman Constr. and Repair Dept., Navy Yard, Washington, D. C., and R. F. D. 3, Alexandria, Va.
- McCREERY, J. Harold (Junior, 1910), Secy., Treas., Ophuls, Hill & McCreery, Inc., 112-114 W. 42nd St., New York, N. Y., and *for mail*, 121 Paulison Ave., Passaic, N. J.
- McCULLOUGH, Charles H., Jr. (1918), Vice-Pres. & Genl. Mgr., Lackawanna Steel Co., Buffalo, N. Y.
- McCULLOCH, John A. (1912), Engr. Galvanizing Plant, Natl. Wks., Natl.

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- McCULLOCH, Richard (1913), Pres., United Rys. Co., 3869 Park Ave., St. Louis, Mo.
- *McCUNE, Joseph C. (Junior, 1916), 1st Lieut., Corp. of Engr., U. S. R., Co. "A"—603rd Regt., Somewhere in France, and *for mail*, Brilliant, O.
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- MCDONALD, Albert (1917), Supervising Engr., C. E. Knoeppel & Co., 101 Park Ave., New York, N. Y.
- *MCDONALD, Howard D. (1916), Capt., 108th Supply Train, Camp Logan, Tex.
- MCDONALD, Wm. F. (1918), Heating Engr., Wm. F. McDonald Co., 2303 Dime Bank Bldg., Detroit, Mich.
- McDOUGALL, Andrew H. (1908), Ch. Engr., Whiting Fdy. Equip. Co., and *for mail*, 119 155th St., Harvey, Ill.
- McDOWELL, Edward C. (1913), M. E., Natl. Steel Car Co., Ltd., and *for mail*, 49 Homewood Ave., Hamilton, Ont., Canada.
- MCDOWELL, Elmer K. (1918), Ch. Wks. Engr., Donora Steel Wks., Amer. Steel & Wire Co., and *for mail*, 567 McKean Ave., Donora, Pa.
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- *McELROY, J. W. (1909; Associate-Member, 1917), Capt., Ord. Dept., 3rd Railway Art. Repair Unit, Over Seas, and *for mail*, 300 Mast St., Manchester, N. H.
- McEVOY, Walter (Junior, 1914), 161 Water St., New York, N. Y., and *for mail*, 66 N. Grove St., East Orange, N. J.
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- McFARLAND, Edward H. (1917), Steam Turbine Inspr., Genl. Elec. Co., Schenectady, N. Y.
- McFARLAND, Walter M. (1883), Vice-President, 1905-1907; Mgr. Marine Dept., Babcock & Wilcox Co., 85 Liberty St., New York, N. Y.
- McFARLANE, George W. (1913), Mgr. & Owner, W. McFarlane Engrg. Co., and Jane St., Paris, Ont., Canada.

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- McGEE, Frank R. (1912), M. E., Carnegie Steel Co., Mingo Junction, and *for mail*, 1121 Oregon Ave., Steubenville, O.
- McGEORGE, John (1917), Engr. in charge of Govt. Work, Ohio Blower Co., 93rd & Detroit Ave., and *for mail*, 1315 W. Blvd., Cleveland, O.
- McGIFFERT, John R. (1907), Secy., Treas., Clyde Iron Wks., and 2324 E. 5th St., Duluth, Minn.
- McGINN, Michael J. (Associate-Member, 1918), Supt., Am. Insulation Co., Roberts Ave. & Stokley St., and *for mail*, 1354 W. Tycoming St., Philadelphia, Pa.
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- McGOWAN, Henry E. (1915), Secy., The Brooklyn Union Gas Co., 176 Remsen St., and 59 Rutland Rd., Brooklyn, N. Y.
- McGOWN, Clark Y. (Junior, 1918), Ch. Engr., B. G. Sugar Factories, Ltd., Plantation Wales, West Bank, Domerarg, British Guiang, S. A.
- McGRAIL, Francis J. (1915; 1917), Genl. Supt., Walker Fdy. Co., and *for mail*, R. F. D. No. 7, Erie, Pa.
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- McGRATH, William C. (Associate-Member, 1917), Genl. Supt., Stamford Rolling Mills Co., Miller St., and *for mail*, Knickerbocker Ave., Springdale, Conn.
- McGREGOR, A. Grant (1905; 1912), Mech. and Metallurgical Engr., Warren, -Ariz.
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- McGREGOR, John A. (1902), Pres., Union Twist Drill Co., and *for mail*, 1328 Main St., Athol, Mass.
- *McGREW, John A. (1916), Maj., Q. M. R. C., A. E. F., and *for mail*, 408 W. 115th St., New York, N. Y.
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- *McINTOSH, Robert L. (1913), Capt., O. D., O. R. C.; Pyle Natl. Co., Karpen Bldg., Chicago, and *for mail*, 819 Park Ave., Wilmette Ill.
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- *McKAIG, Alvin W. (Junior, 1917), Ensign, Bureau of Constr. & Repair, (Avia.), Navy Dept., Washington, D. C.
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- McKAY, William (1918), Marine Supt., Inter Island Steam Navigation Co., Ltd., Honolulu, T. H.
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- McKEE, John F. (Associate-Member, 1918), Engr. in charge steam plants, The Lockwood Greene & Co., 1530 Healy Bldg., Atlanta, Ga.
- McKEE, Joseph J. (Associate, 1892), Mgr., C. A. Dunham Co., 5013 Metro. Life Bldg., and The Riviera, 157th St. and Riverside Drive, New York, N. Y.
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- McKENNA, Roy C. (1918), Pres., Vanadium-Alloys Steel Co., Latrobe, Pa.
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- *McLAREN, Lewis L. (Junior, 1916), Prvt., Co. "A," 4th Training Battn., Sig Corps, Barracks 217, Fort Leavenworth, Kan.; Foreman, Inland Steel Co., Indiana Harbor, Ind., and *for mail*, 600 Herkimer St., Joliet, Ill.
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- McLEOD, Adolphus A. (1910), Engr., Supt., Fla. Phosphate Min. Corp., and *for mail*, Bartow, Fla.
- *McLUNDIE, Archibald S. (Junior, 1915), 1st Lieut., Ord. R. C., Rock Island Arsenal, Rock Island, Ill.
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- McMILLAN, Luther B. (Junior, 1913), Cons. Engr. Power Plant Dept., H. W. Johns-Manville Co., 41st St. and Madison Ave., and 374 Wadsworth Ave., New York, N. Y.
- McMILLAN, William L. (Associate-Member, 1916), Chief Insp. & Ord. Engr., U. S. Cartridge Co., Lawrence St., and *for mail*, 116 Third St., Lowell, Mass.
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- MacARTHUR, C. P. (Associate-Member, 1915), M. M., Bowen Products Corp., Auburn, N. Y.
- MacARTHUR, Donald (1918), Mgr., Seaboard By-Product Coke Co., Jersey City, N. J.
- MacARTHUR, John E. (1913), Wks. Mgr., Russell Motor Car Co., Inc., 93 Dewey Ave., and *for mail*, 98 Wellington Rd., Buffalo, N. Y.
- MacARTHUR, Robert, Jr. (Associate, 1904), M. M., Sargent & Co., and *for mail*, 226 McKinley Ave., New Haven, Conn.
- MacBRIAR, Wallace N. (1916), Box 1908, Seattle, Wash.
- *MacCART, Raymond D. (Junior, 1915), Ensign, Naval Reserve Flying

- Corps. Mass. Inst. of Tech., Cambridge, and *for mail*, 23 Pleasant St., Dorchester, Mass.
- MacDONALD, Colin F. (Associate-Member, 1918), Ship & Engr. Surveyor, Lloyds Register of Shipping, 17 Battery Pl., New York, N. Y., and *for mail*, 10 Twenty-first St., West New York, N. J.
- *MacDONALD, Howard D. (1916), Capt., 108th Supply Train, A. E. F., via New York.
- MacDONALD, Karl (Associate-Member, 1915), Ch. Draftsman, The Terry Steam Turbine Co., and *for mail*, 181 Westland St., Hartford, Conn.
- MacDONALD, Malcolm S. (1918), C. A. MacDonald Ltd., 542 Point Rd., Durban, South Africa.
- MacDOWELL, Francis M. (Junior, 1914), M. E., Power Spec. Co., 111 Broadway, New York, and 7 Maple Ct., Brooklyn, N. Y.
- *MacEWAN, Thomas S. (1915; Associate-Member, 1917), 2nd Lieut., Air Serv. (Aeronautics), Gerstner Field, Lake Charles, Louisiana; Sales Dept., S. K. F. Ball Bearing Co., 5 Nassau St., New York, N. Y.
- MacFARLAND, D. H. (Associate, 1916), Asst. to Pres., Atlas Portland Cement Co., Corn Exchange Bank Bldg., Chicago, and Evanston, Ill.
- MacFARLAND, Helon B. (1907), Engr. of Tests, Atchison, Topeka & Santa Fe Ry. System, 914 Ry Exch., Chicago, Ill.
- *MacGILL, Charles F. (1896), O. D., O. R. C.; Wks. Engr., Bullard Engrg. Wks., Inc., and *for mail*, 1175 Park Ave., Bridgeport, Conn.
- MacGREGOR, Wallace F. (1901; 1914), Supt. Exper. Dept., J. I. Case Threshing Mch. Co., and 422 16th St., Racine, Wis.
- MacGREGOR, Walter (1906), Genl. Mgr. Plant 4, Timken Detroit Axle Co., and *for mail*, 124 12th St., N. W., Canton, O.
- MacINTOSH, Walter L. (1915), Ch. Draftsman, Consld. Gas Co. of N. Y., 130 E. 15th St., New York, and 24 Wellington Ct., Brooklyn, N. Y.
- MacKAY, Simon (1917), Wks. Mgr., The L. S. Starrett Co., and *for mail*, 387 School St., Athol, Mass.
- MacKENZIE, Donald (Junior, 1902), Asst. Mgr. Constr. Dept., Union Stock Yards, Swift & Co., and 9122 Longwood Drive, Chicago, Ill.
- MacKINNON, John A. (Associate-Member, 1915), Forge Shops Supt., Curtis & Co. Mfg. Co., Hamburger and Kienlen Aves., and *for mail*, 1363A Semple Ave., St. Louis, Mo.
- MacLAREN, Malcolm N. (1899), Mgr. N. Y. Office, Nordberg Mfg. Co., 120 Broadway, and 533 W. 112th St., New York, N. Y.
- MacLAUHLAN, James H. (1907), Genl. Mgr., Surety Engrg. Co., Inc., 30 Church St., New York, and Castleton Apts., New Brighton, S. I., N. Y.
- MacLEAN, Archibald, Jr. (1917; Associate-Member, 1918), Engr., Purch. Dept., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and *for mail*, 830 Heberton Ave., Pittsburgh, Pa.
- MacLEAN, Archie A. (Associate-Member, 1918), Office of Ch. of Ord., Engrg. Div., Washington, D. C.
- MacLEOD, Daniel T. (1901; 1907), Pres., Hamilton By-Products Co., 50 Pine St., New York, N. Y., and *for mail*, 703 Shipyard Ave., Milwaukee, Wis.
- MacLEOD, Frank N. (1912), Pres. & Genl. Mgr., Abrasive Mch. Tool Co., Dexter Rd., East Providence, and *for mail*, 290 Irving Ave., Providence, R. I.
- MacLEOD, Norman MacC. (Associate, 1916), 94 E. Haines St., Germantown, Philadelphia, Pa.
- MacMARTIN, James M. (1914), Ch. Engr., The Del. & Hudson Co., The Plaza, and Hampton Hotel, Albany, N. Y.
- *MacMASTER, Ronald K. (1913; Associate-Member, 1914), 1st Lieut., Ord. R. C., and *for mail*, 248 Murray St., Elizabeth, N. J.

- MacMURRAY, James T. (1904), Genl. Mgr., Niles-Bement-Pond Co., Plainfield, N. J.
- MacNABB, Arthur W. (Junior, 1914), Insp., Supply Div., U. S. Shipping Board, Emergency Fleet Corp., Broad & Cherry Sts., Philadelphia, Pa., and 3317 Calhoun Blvd., Minneapolis, Minn., and *for mail*, William Bros., Boiler and Mfg. Co., Minneapolis, Minn.
- MacNABB, Clifton E. (Junior, 1917), New Constr. & Mch. Layout Dept., Wright-Martin Aircraft Corp., Long Island City, L. I., N. Y., and *for mail*, Park Ave. & Vernon Terrace, East Orange, N. J.
- MacNAUGHTON, Edgar (Junior, 1915), Assoc. in Mech. Engrg., Univ. of Illinois, and 1002 W. Oregon St., Urbana, Ill.
- MacWHIRTER, Geo. E. (Associate-Member, 1918), Operating & Constr. Engr., Boquete Nitrate Co., Antofagasta, Chile, S. A.
- MAAK, Charles (Associate-Member, 1916), Engr., Union Development Co., Woolworth Bldg., New York, and *for mail*, 1433 Hancock St., Brooklyn, N. Y.
- MAAS, E. F. (1916), N. K. A., Goteborg, Sweden.
- *MABBOTT, Harold C. (Junior, 1917), Capt., U. S. A., C. A. C., Inst., Art. Sec., Army Anti-Aircraft Sch., A. P. O. No. 702, A. E. F., France, and 20 Glenada Pl., Brooklyn, N. Y.
- MABEY, Arthur R. (1916), Foreman Thermometer Dept., Bristol Co., and *for mail*, 22 Farnham Ave., Waterbury, Conn.
- MACALISTER, Robert N. (1913), M. E., Robt. W. Hunt & Co., 2200 Ins. Exch. Bldg., and *for mail*, 4422 N. Lincoln St., Chicago, Ill.
- MACBETH, George T. (1915), Ch. Gas Engr., Westchester Ltg. Co., 1st Ave. and 1st St., and 270 S. 3rd Ave., Mt. Vernon, N. Y.
- MACDONALD, Duncan H. (1903), Wks. Mgr., Wickes Bros., and 651 S. Weadock Ave., Saginaw, Mich.
- MACDONALD, George M. (1912), Ballistic Engr., Remington Arms Union Metallic Cartridge Co., and *for mail*, The University Club, Bridgeport, Conn.
- MACDONALD, Harry P. (1914), V. P., The Sneed & Co. Iron Wks., Foot of Pine St., Jersey City, and 15 Highland Ave., Montclair, N. J.
- MACDONALD, J. W. Franklin (1915), Managing Engr., Parks Cramer Co., 294 Washington St., Boston, and *for mail*, 47 Hobson St., Brighton, Mass.
- MACDONALD, James V. (1895; 1917), Mem. of Firm, Ranald H. Macdonald & Co., 29 W. 34th St., and 170 W. 74th St., New York, N. Y.
- MACDOUGALL, George D. (1917), Genl. Supt., Nova Scotia Steel & Coal Co., Ltd., New Glasgow, Nova Scotia, Canada.
- MACFARLANE, James (1908), Supt., Havana Marine Rys., San Pedro, 2 Altos, and 16 Cuba St., Havana, Cuba.
- MACHOLD, Charles E. (1901), Partner, Machold & Riddell, 1020 Stephen Girard Bldg., Philadelphia, and 6820 Quincy St., Germantown, Philadelphia, Pa.
- MACINTIRE, Horace J. (1907; 1913), Refrigerating Engr., Constr. Div., War Dept., 7th & B Sts., S. W., Washington, D. C.
- MACK, George J. (Junior, 1909), Mgr., Mack Bros. Steam Boiler Wks., 405 Marcellus St., and 1621 Onondaga St., Syracuse, N. Y.
- MACK, John G. D. (1890), State Ch. Engr., State of Wis., Capitol, and *for mail*, 110 E. Johnson St., Madison, Wis.
- MACKAY, Alfred (1916), Ch. Engr., John Lang Paper Co., 24th and Vine Sts., and *for mail*, Real Estate Trust Bldg., Philadelphia, Pa.
- MACKENZIE, Edmund (1909), Supvg. Engr., Constr. Work with R. Blakstad, Karl Johnsgade 41/111, Kristiania, and *for mail*, Jyssedal, Hardanger, Norway.
- MACKENZIE, G. Earl (Junior, 1915), Winchester Repeating Arms Co., and *for mail*, 337 Whalley Ave., New Haven, Conn.

- MACKENZIE, Kenneth G. (Associate, 1917), Cons. Chemist, The Texas Co., 17 Battery Pl., New York, N. Y.
- MACKENZIE, Morell (Junior, 1912), Supt., Sayles Finishing Plants, Plant C, Philipsdale, and *for mail*, 149 Irving Ave., Providence, R. I.
- MACKENZIE, William P. (1907), Pres., W. P. Mackenzie Co., 1502 Pennsylvania Bldg., Philadelphia, and Clapier St., Germantown, Philadelphia, Pa.
- MACKIE, Daniel M. (1914), Genl. Foreman, Chain Belt Co., 57 Park St., and *for mail*, 176 32d St., Milwaukee, Wis.
- MACKIE, Edwin M. (1915), M. E., Pneumelec. Mch. Co., 581 S. Clinton St., and *for mail*, 1102 Midland Ave., Syracuse, N. Y.
- MACKINTOSH, Edward E. (Junior, 1916), Drafting, Am. Brass Co., and *for mail*, 113 Church St., Torrington, Conn.
- MACKINTOSH, Frederick L. (1912), M.E., Winchester Repeating Arms Co., Winchester Ave., and *for mail*, 81 Hubinger St., New Haven, Conn.
- MACKLEM, George A. (1917), Mgr. of Sales, Beloit Iron Wks., and *for mail*, 835 Park Ave., Beloit, Wis.
- MACKLIND, William R. (1914), Mgr. Engrg. and Constr. Dept., The Sherwin-Williams Paint Co., Pullman Sta., and *for mail*, 1149 Hyde Park Blvd., Chicago, Ill.
- *MACLEAN, Malcolm R. (Junior, 1913), Maj., Inf. R. C., 154th Dep. Brig., 5th Training Battn., Camp Meade, Md., and *for mail*, University Club, Pittsburgh, Pa.
- MACNOE, George (Junior, 1914), Inspc., Bureau of Aircraft Prod., 360 Madison Ave., New York, and *for mail*, 42 Sidney Pl., Bklyn., N. Y.
- *MACOMBER, Henry E. (Junior, 1918), Sergt., C. W. S., U. S. A., Co. D, 2nd Battn., Edgewood, Md.
- MACON, William W. (1903; Associate, 1911), Managing Editor, The Iron Age, 239 W. 39th St., New York, and 711 Ave. J., Brooklyn, N. Y.
- MACY, Nelson (1915), Pres., Corlies Macy & Co., 441 Pearl St., New York, N. Y., and Hope Farm, Greenwich, Conn.
- MACY, Ralph G. (Associate-Member, 1916), U. S. Govt. Inspc., 16 E. 42nd St., New York, N. Y., and *for mail*, 35 Seaview Ave., East Norwalk, Conn.
- MADDISON, Walter F. (Associate-Member, 1918), Dir. of Industrial Training, E. W. Bliss Co., and *for mail*, 55 Hanson Pl., Brooklyn, N. Y.
- MADDOCKS, Wm. H. (1891), Asst. Supt. Mchy. and Equip., M. K. & T. Ry., and *for mail*, 2311 W. Crawford Ave., Parsons, Kan.
- MADISON, Richard D. (Associate-Member, 1918), Ch. Draftsman, Indianapolis Office, M. E. Sec., Ord. Engrg. Div., 448 N. Capitol Ave., and 2507 Central Ave., Indianapolis, Ind.
- MAGDEBURGER, Edward C. (Associate-Member, 1917), Designing Engr., Busch-Sulzer Bros.-Diesel Eng. Co., Second and Utah Sts., and *for mail*, 3435 Pestalozzi St., St. Louis, Mo.
- *MAGEE, Christopher (Junior, 1916), Co. M., 332d Inf., Camp Sherman, Chillicothe, O., and *for mail*, 1107 Berger Bldg., Pittsburgh, Pa.
- MAGEE, John F. (Junior, 1916), Supt. Mill No. 4, Alpha Portland Cement Co., Martins Creek, and R. F. D. 1, Easton, Pa.
- MAGEE, William G. (Associate-Member, 1918), Asst. Supt., The Baldwin Loco. Wks., Eddystone, and *for mail*, Moore, Pa.
- MAGIE, William E. (1913), 58 Tillingbast Pl., Buffalo, N. Y.
- *MAGILL, Franklin R. (Junior, 1917), Sergt., Q. M. C., N. A., Motor Sch., Camp Holabird, Baltimore, Md.
- MAGOUN, John W. (Junior, 1918), Asst. Supt. Treatment Dept., Bethlehem Steel Co., and *for mail*, 922 W. Broad St., Bethlehem, Pa.

- MAGRUDER, Wm. T. (1914), Instr. S. A. T. C.; Prof. M.E., The Ohio State Univ., and 343 W. 9th Ave., Columbus, O.
- MAGUIRE, Charles F. (Associate-Member, 1918), Design Engr., Engrg. Dept. E. I. du Pont de Nemours & Co., Du Pont Bldg., and *for mail*, 316 W. 14th St., Wilmington, Del.
- MAGUIRE, Jeremiah D. (1911), Pres., Maguire Rubber Co., 200 5th Ave., New York, and Sands Point, Nassau Co., N. Y.
- MAGUIRE, M. T. (Associate, 1910), M. M., Symington Chicago Corp., 74th & Ashland Ave., and *for mail*, 5460 Hyde Park Blvd., Chicago, Ill.
- MAHER, Eugene E. (1914; 1918), Sales Engr., in charge Chicago Dist., Terry Steam Turbine Co., Hartford, Conn., 1328-29 McCormick Bldg., 332 S. Michigan Ave., and 1511 E. 54th St., Chicago, Ill.
- MAHL, Frederick W. (1892; 1910), Dir. of Purchases, Corporate M.E., So. Pacific Co., 65 Market St., San Francisco, and *for mail*, Hotel Shattuck, Berkeley, Cal.
- MAHON, Thomas (Associate-Member, 1918), Foreman Machinist, Becker Milling Co., and *for mail*, 95 Loring St., Hyde Park, Mass.
- MAHONEY, J. C. (Associate-Member, 1917), General Elec. Co., Schenectady, N. Y., and 1459 Milner Crescent, Birmingham, Ala.
- MAHONEY, John A. (Junior, 1913), M.E., Elec. Boat Co., Groton, and *for mail*, West Mystic Ave., West Mystic, Groton, Conn.
- MAHONEY, John F. (1915; Associate-Member, 1918), Elec. Designer, Air Nitrates Corp., New York, and *for mail*, 983 St. Johns Pl., Brooklyn, N. Y.
- MAHONEY, Joseph N. (1917), Cons. Engr., Sperry Gyroscope Co., Manhattan Bridge Plaza, and *for mail*, 615 77th St., Brooklyn, N. Y.
- MAHY, Arthur H. (Associate-Member, 1916), Ch. Engr., Supt. of Wks., North Adams Gas & Elec. Light Co., Brown St., and *for mail*, 99 North St., North Adams, Mass.
- MAIER, Fred (Associate-Member, 1916), Prop., Mech. Pattern Wks., 1107 Stanford Ave., and 815 E. 10th St., Los Angeles, Cal.
- *MAIN, C. Curtis, Jr. (Junior, 1917), Corp., Sig. C., U. S. A., 43rd Serv. Co., A. P. O. No. 712, France, and Piermont, N. Y.
- MAIN, Charles R. (1918), Spec. Asst., Chas. T. Main, Engr., 201 Devonshire St., Boston, Mass.
- MAIN, Charles T. (1885), Life Member; Manager, 1914-1917; President, 1918; 201 Devonshire St., Boston, and 14 Herrick St., Winchester, Mass.
- MAIR-RUMLEY, John G. (1892), Life Member; care of G. P. Mair, 32 Easton Rise, Ealing, London, England.
- MAITRA, Krishna M. (Junior, 1918), Spec. Apprentice, C. & N. W. Ry., Office of Supt. of M. P. & Mch., and *for mail*, 2658 Warren Ave., Chicago, Ill.
- MAJOR, C. C. (1902; 1912), Assoc. Prof. M. E., Ia. State College, and *for mail*, 802 Sixth St., Ames, Ia.
- MAKEPEACE, Charles R. (1915), Life Member; Arch., Mill Engr., C. R. Makepeace & Co., Butler Exch. Bldg., and 275 Wayland Ave., and *for mail*, Box 1146, Providence, R. I.
- *MALCOLM, George H. (1918), Capt., Chem. Warfare Serv., Gas Defense Div., Astoria, L. I., N. Y., and *for mail*, Summit, N. J.
- MALCOLMSON, Wm. J. (Junior, 1917), Section Head of Mechanical Methods Div., West. Elec. Co., Hawthorne Sta., Chicago, and *for mail*, 1916 S. 49th Ave., Cicero, Ill.
- MALLET, Anatole (Honorary, 1912), 30 Ave. Trudaine, Paris, and 57 Rue de France, Nice, Alpes-Maritimes, France.
- MALLINCKRODT, Edward, Jr. (Associate, 1918), Mfgr., Mallinckrodt Chemical Wks., St. Louis, Mo.

- *MALLORY, Charles K. (1907), Lieut., U. S. Navy, Bureau Steam Engrg., Navy Dept., Washington, D. C.
- MALLORY, Walter F. (Associate-Member, 1918), Asst. Prof. in Mech. Engrg., Univ. of Colo., and *for mail*, 915 15th St., Boulder, Colo.
- MALM, Axel C. V. (Associate-Member, 1916), Pres., Malm Engrg. Co., 588 Drexel Bldg., 5th & Chestnut Sts., Philadelphia, and 138 Lansdowne Ct., Lansdowne, Pa.
- *MALONE, George B. (Associate-Member, 1917), Capt., E. R. C., 1st Regt., Replacement Troops, Engrs. Sch., Quarters No. 15, Washington Barracks, Washington, D. C., and 526 South St., Holyoke, Mass.
- MALONE, John A. (Junior, 1915), Engr., Carter, Macy & Co., 142 Pearl St., New York, and 16 Prospect Park, Southwest, Brooklyn, N. Y.
- *MALONE, Josh G. (Junior, 1917), C. M. M. (Student), U. S. N. Steam Engrg. Sch., Pelham Bay, New York, and *for mail*, P. O. Box 29, Tottenville, S. I., N. Y.
- *MALONEY, Charles A. (Junior, 1917), Ensign, Submarine Unit New London Base, Stationed at Nav. Academy, Annapolis, Md., and *for mail*, 2116 Venango St., Philadelphia, Pa.
- MALONEY, Geo. B. (Associate-Member, 1917), Ch. Engr., Assoc. Pipe Line Co., 619 Sharon Bldg., San Francisco, and San Anselmo, Cal.
- MALVERN, Lewis K. (1894; 1903), M. E., Elgin Natl. Watch Co., and *for mail*, 12 Warwick Pl., Elgin, Ill.
- MANCHESTER, Henry C. (1915), Supt. M. P. and Equip., D., L. & W. R. R. Co., and 1006 Lincoln St., Scranton, Pa.
- MANDEL, Arthur C. (Junior, 1918), M.E., Wright-Martin Air. Corp., Long Island City, L. I., and *for mail*, 56 E. 87th St., New York, N. Y.
- MANDEVILLE, Theodore C. (Junior, 1917), Mech. and Constr. Engrg., Sayles Finishing Plants, Saylesville, and *for mail*, 43 Fales St., Central Falls, R. I.
- MANIERRE, George (1917), Prop., Manierre Engrg. & Mch. Co., 622-23 Colby Abbot Bldg., Milwaukee, Wis.
- MANKIN, Clarence E. (Junior, 1916), Federal Sales Mgr., A. G. Wood Motor Co., 339 E. Market St., Akron, O.
- MANLEY, Lloyd M. (Associate-Member, 1918), Switchboard Dept., Western Elec. Co., and *for mail*, Apt. 3, 344 S. Hamlin Ave., Chicago, Ill.
- MANLEY, Sumner M. (1907; 1917), M. E., The Proctor & Gamble Co., Ivorydale, and *for mail*, Ivy Ave., Glendale, O.
- MANLY, Charles M. (1916), V. P., Ch. Engr., Manly Drive Co., 250 W. 54th St., New York; Cons. Engr., Curtiss Aeroplane Co., and *for mail*, 286 Huntington Ave., Buffalo, N. Y.
- *MANN, Carl P. (Junior, 1916), Candidate, Coast Artillery Officers' Reserve Corps, Fortress Monroe, Va., and *for mail*, Beverly, N. J.
- MANN, Harvey B. (1911; 1918), Engr., Dravo-Doyle Co., 1003 Diamond Bank Bldg., and 6532 Dalzell Pl., Pittsburgh, Pa.
- MANN, Howard L. (Associate-Member, 1914), Pres., Mann Corp., and 648 S. Evergreen Ave., Kankakee, Ill.
- MANNING, Capt. Charles H. (1884; Honorary, 1913), Manager, 1892-1895; Vice-President, 1895-1897; Ch. Engr., U. S. N. Ret., Charles H. & Charles B. Manning, 1004 Amoskeag Bank Bldg., and 1838 Elm St., Manchester, N. H.
- MANNING, James H. (1917), Supt. M. P., The Delaware & Hudson Co., Watervliet, and *for mail*, 762 Madison Ave., Albany, N. Y.
- MANNION, Chester H. (Associate, 1918), Ch. Engr. and Elec., American Thread Co., Kerr Mills, and *for mail*, 161 Barlow St., Fall River, Mass.
- MANSFIELD, Albert K. (1887), 283 Lincoln Ave., Salem, O.
- MANSFIELD, Clifford B. (Junior, 1914), C. E., The Palmetto Phosphate Co., Tiger Bay, Polk Co., Fla.

- *MANSFIELD, Julian B. (1914), Capt., Pres., Genl. Mgr., J. E. Bolles Iron & Wire Wks., Inc., 288 E. Milwaukee Ave., and 948 Cass Ave., Detroit, Mich.
- MANTIUS, Otto (1915), Cons. Engr., Woolworth Bldg., New York, N. Y.
- MANUEL, Charles J. (Junior, 1916), Genl. Supt., G. L. Spence, Inc., 142-152 Coit St., and *for mail*, 15 Myrtle Ave., Irvington, N. J.
- MANVILLE, Keith R. (Associate-Member, 1918), Designer, Curtiss Engrg. Corp., Garden City, and *for mail*, 20 Jefferson Pl., Hempstead, L. I., N. Y.
- MANZ, Louis C. (1913), M. E., Midvale Steel Co., Nicetown, and *for mail*, 1500 W. Allegheny Ave., Philadelphia, Pa.
- MAPLE, O. S. (Associate-Member, 1917), Pres., The National Equipt. Corp., 1322 Widener Bldg., and The Normandie Hotel, Philadelphia, Pa.
- MARBLE, Edwin H. (1915), Pres., Curtis & Marble Mch. Co., and *for mail*, 42 Tirrell St., Worcester, Mass.
- MARBLE, Ernest G. (1909), 165 High St., Exeter, N. H.
- MARBLE, Gerald C. (Junior, 1918), Instr. Math. & Drawing, Univ. of Maine, Orono, and 3 Spring St., Skowhegan, Me.
- MARBURG, Louis C. (1909), Secy., Treas., Marburg Bros., Inc., 90 West St., New York, N. Y., and 24 Franklin Pl., Montclair, N. J.
- *MARDAGA, Louis (Junior, 1913), Lieut. (j. g.), U. S. N. R. F., Asst. Nav. Inspec. of Ord., Alloy Steel Forging Plant, Carnegie, and *for mail*, 311 S. Roupe Ave., Pittsburgh, Pa.
- MARK, Perry C. (Associate-Member, 1913), Genl. Supt., Mark Mfg. Co., and *for mail*, 100 Glendale Ave., Zanesville, O.
- MARKEY, Harold I. (Junior, 1914), Wks. Engr., Diamond Chain & Mfg. Co., and 215 S. Ritter Ave., Indianapolis, Ind.
- MARKEY, Harry S. (1912), Engr., City Elec. Co., 320 Beach St., and 1911 Leavenworth St., San Francisco, Cal.
- MARKLEY, William F. (Junior, 1918), Engr., Western Union Telegraph Co., 195 Broadway, New York, N. Y., and *for mail*, 166 Clinton Ave., Jersey City, N. J.
- MARKS, Harry J. (1907), Dist. Sales Mgr., Bound Brook Eng. & Mfg. Co., 111 Broadway, New York, and *for mail*, 86 Palmer Ave., Mamaroneck, N. Y.
- MARKS, James H. (Associate-Member, 1914), Supt. Maintenance and Constr. Div., Packard Motor Car Co., and *for mail*, 731 Field Ave., Detroit, Mich.
- MARLOW, Frank W. (Associate-Member, 1917), M. M., Armour & Co., Master Mechanic's Office, South St. Paul, Minn.
- MARKS, Lionel S. (1897; 1904), Prof. Mech. Engrg., Harvard School of Engrg.; Prof., Harvard Univ., and 192 Brattle St., Cambridge, Mass.
- MAROT, Edward H. (1903; Associate, 1917), Sales Engr., Hyatt Roller Bearing Co., Newark, N. J., and *for mail*, 13704 Fernwood Ave., East Cleveland, O.
- MARQUIS, Franklin W. (1908; 1914), Statistician, Fuel Conservation Sect., Div. of Operation, U. S. R. R. Administration, 629 So. Railway Bldg., Washington, D. C., and *for mail*, Forest Glen, Md.
- MARR, Geo. H. (1891; 1905), M. E., Hollingsworth & Whitney Co., and *for mail*, 94 Silver St., Waterville, Me.
- *MARROW, George P. (1916), Maj., U. S. A.; No permanent address.
- *MARSH, Francis G. (Junior, 1916), Lieut. Comdr., U. S. S. *Savannah*, care of Postmaster, New York, N. Y.
- MARSH, Harry B. (1918), Pres. & Mgr., Marsh Mfg. Co., Vincennes, Terre Haute Handle Co., Terre Haute, and *for mail*, Box 116, Vincennes, Ind.

- MARSH, John W. (Junior, 1918), Designing Engr., Calco Chemical Co., Bound Brook, and 19 Clark Ave., Somerville, N. J., and *for mail*, c/o A. S. M. C., 29 W. 39th St., New York, N. Y.
- MARSH, Thomas A. (1905; 1912), Ch. Engr., Green Engrg. Co., East Chicago, Ind., and *for mail*, 6739 Cornell Ave., Chicago, Ill.
- MARSHALL, Ernest (1917), E. E., Great No. Ry., 816 Great No. Bldg., St. Paul, Minn.
- MARSHALL, Ernest W. (1904), Pat. Lawyer, Marshall & Dearborn, 160 Broadway, New York, and 1195 Warburton Ave., Yonkers, N. Y.
- *MARSHALL, Harold F. (Junior, 1917), 1st Lieut., Aviation Sec., Signal O. R. C., U. S. A., and *for mail*, 16 Arlington Rd., Cranford, N. J.
- *MARSHALL, Kenneth I. (Junior, 1916), 1st Lieut., Chem. Warfare Serv., U. S. A., A. E. F., and *for mail*, 2331 Ocean View Ave., Los Angeles, Cal.
- MARSHALL, Norman (1910), 107 Chestnut St., West Newton, Mass.
- MARSHALL, Stewart M. (1907; 1910), Cons. Engr., Perin & Marshall, 2 Rector St., and *for mail*, 121 Madison Ave., New York, N. Y.
- *MARSHALL, W. A. (Junior, 1916), Pvt., American Wing, British G. H. Q., M. G. School, B. E. F., France, and *for mail*, 932 Millon St., Pittsburgh, Pa.
- MARSHALL, Waldo H. (1883), 23 Wall St., New York, N. Y.
- *MARSHALL, William C. (1901; 1909), Capt., Ord. Dept., U. S. A., Inspc. Dir., Small Arms Sec., Inspc. Div., Washington, D. C., and *for mail*, 89 W. River St., Milford, Conn.
- MARSHALL, W. E. (Junior, 1914), Instr., Stevens Inst. of Tech., Castle Point, Hoboken, and *for mail*, 134 30th St., Woodcliff, N. J.
- MARTELL, Louis H. (1906), Pres., The Martell Packings Co., Elyria, O.
- MARTENIS, John V. (1913), Asst. Prof. M. E., Univ. of Minn., and 215 Harvard St., S. E., Minneapolis, Minn.
- MARTENS, Ferdinand (1885), 1809 Euclid Ave., Berkeley, Cal.
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- *MESSNER, Manfred (1913; Associate-Member, 1917), Sergt., Engrs., 303rd Regt., Co. "B," A. E. F., France, and *for mail*, 124 W. 8th St., Bayonne, N. J.
- MESTA, George (1894), Pres., Mesta Mch. Co., P. O. Box 1124, Pittsburgh, and 540 Doyle Ave., West Homestead, Pa.
- METCALF, Frank H. (1910), Treas., Farr Alpaca Co., and 387 Appleton St., Holyoke, Mass.
- *METCALF, George R., Jr. (Junior, 1916), 1st Lieut., U. S. R., Ord. Dept., U. S. A., Sandy Hook Proving Ground, Ft. Hancock, N. J., and *for mail*, 214 W. 9th St., Erie, Pa.
- METCALF, Leonard (1904), Mem. of Firm, Metcalf & Eddy, 14 Beacon St., Boston, and 1 Court Lane, Concord, Mass.
- METTEN, John F. (1915), Ch. Engr., Wm. Cramp & Sons, S. & E. B. Co., Richmond & Norris Sts., Philadelphia, and Wynnewood, Pa.
- METZ, Ellwood A. (Associate-Member, 1918), Frankford Arsenal, and *for mail*, 7043 Torresdale Ave., Philadelphia, Pa.
- *METZ, Walter R. (1902; 1911), Capt., Q. M. R. C., Officer in charge of Motor Transportation Inspc. for Depot Q. M., and 717 Massachusetts Ave., N. E., Washington, D. C.
- METZGER, Elmer E. (1917), Genl. Supt., Geometrie Tool Co., Blake St., and *for mail*, 157 Fountain St., New Haven, Conn.
- MEYER, Carl F. (1918), Sales Mgr., Landis Mch. Co., and *for mail*, 10 Mt. Airy Ave., Waynesboro, Pa.
- MEYER, Edward B. (1913), Asst. to Ch. Engr., Pub. Serv. Elec. Co., 80 Park Pl., and *for mail*, 805 S. 12th St., Newark, N. J.
- MEYER, Erwin C. (1911; Associate-Member, 1915), Supt., Pure Food Factory "Hansa," 430 Mamaroneck Ave., and *for mail*, 47 Willow Ave., P. O. B. 283, Larchmont, N. Y.
- MEYER, Hans (1916), Managing Partner, Charles L. Pillsbury Co., 805-

- 818 Metropolitan Life Bldg., and 2736 Hennepin Ave., Minneapolis, Minn.
- MEYER, Henry C., Jr. (1894; 1903), Cons. M. E., 101 Park Ave., New York, N. Y., and 25 Highland Ave., Montclair, N. J.
- MEYER, Leslie C. (Junior, 1918), M.E., W. A. Jones Fdy. & Mch. Co., 4401 W. 12th St., Chicago, and *for mail*, 146 N. Austin Blvd., Oak Park, Ill.
- *MEYLER, Robert G. (Junior, 1917), 1st. Lieut., O. O. R. C., Rock Island Arsenal, Rock Island, Ill., and 830 E. 14th St., Davenport, Ia.
- MEYNCKE, George M. (Associate-Member, 1916), Sales Engr., Hyatt Roller Bearing Co., Newark, N. J., and *for mail*, Box 520, Cincinnati, O.
- MICHEL, A. Eugene (1906; Associate, 1908), Cons. and Adv. Engr., 110-116 Nassau St., New York, and *for mail*, 238 E. 18th St., Brooklyn, N. Y.
- MICHEL, Rudolph (Junior, 1917), Draftsman, Engrg. Bureau, Ord. Dept., 6th & B Sts., N. W., Washington, D. C.; and *for mail*, 1937 W. Baltimore St., Baltimore, Md.
- *MICKLE, Frank A. (Junior, 1913), 1st Lieut., Ord., U. S. A., 171 12th St., Columbus, O.
- MICKLE, Robert T. (1915), Pres., Mickle-Milnor Engrg. Co., 1315 Stephen Girard Bldg., Philadelphia, and *for mail*, 430 W. Stafford St., Germantown, Philadelphia, Pa.
- MIDDLETON, Albert C. (Associate, 1911), 232 E. Main St., Moorestown, N. J.
- *MIDDLETON, Harvey (1886), Camp Funston, Kansas; Cons. Engr., Thurmont, Md.
- MIDDLETON, Hinton A. (Associate-Member, 1916), Spec. Steam Engr., Crane Co., and 622 Catlan Ave., West End., Birmingham, Ala.
- *MIDDLETON, Nathan A. (Associate-Member, 1917), Maj., Regimental Adjutant, 23rd Engrs., U. S. A. P. O. No. 738, Regimental Hdqrs., A. E. F., France.
- MIDDLETON, Percy H. (1894; 1901), Engr., V. P., The Crandall Eng. Co., 102 Border St., East Boston, Mass.
- MIDGLEY, Frederick W. (1904; 1914), Asst. Chief Engr., Otis Elevator Co., 26th St., and 11th Ave., New York, and *for mail*, 11 Saratoga Ave., Yonkers, N. Y.
- MIGGETT, William L. (1901), Prof. Shop Practice, Supt. Engrg. Shops, Univ. of Mich., and 1102 Willard St., Ann Arbor, Mich.
- MIKAELSON, Erik W. (1918), Ch. Engr., Treadwell Engrg. Co., and *for mail*, 1412 Lehigh St., Easton, Pa.
- MILBRATH, Arthur F. (1917), Secy., Engr., Wis. Motor Mfg. Co., and 863 Sherman Blvd., Milwaukee, Wis.
- *MILES, Dale S. (Junior, 1917), Sergt., M. R. S. U. No. 309, M. T. C., A. E. F., France and 1017 W. Main St., Independence, Kan.
- MILES, Frank H. (Junior, 1915), Ch. Engr., The Milton Mfg. Co., and *for mail*, The Terraces, Milton, Pa.
- MILES, Henry D. (1907), Pres., Buffalo Fdy. & Mch. Co., and 139 Bryant St., Buffalo, N. Y.
- MILKER, Herbert P. (Associate, 1912), Genl. Mgr., C. J. Tagliabue Mfg. Co., 32 33rd St., and *for mail*, 8901 Ridge Blvd., Brooklyn, N. Y.
- MILKEY, Lester E. (Junior, 1918), Field Engr. & Asst. Sales Engr., care of Sandusky Fdy. & Mch. Co., Sandusky, O.
- MILLARD, Reginald W. (Associate-Member, 1914), Pres., Genl. Mgr., Foster, Merriam & Co., and 835 Broad St., Meridan, Conn.
- MILLARD, S. J. (Junior, 1917), Instr. in Industrial Engrg., Pa. State College, and *for mail*, 300 West College Ave., State College, Pa.

- *MILLER, Alten S. (1914), Lieut. Col., Ord. Dept., U. S. A., Washington, D. C.; V. P., The Bartlett Hayward Co., Baltimore, Md.
- MILLER, Charles (Junior, 1915), Draftsman, E. I. du Pont de Nemours & Co., 810 Du Pont Bldg., and *for mail*, Y. M. C. A., Wilmington, Del.
- *MILLER, Clarence A. (Junior, 1916), Natl. Army, and *for mail*, care of J. F. Miller, Franklin, Pa.
- MILLER, Clarence D. S. (1913), Pres., The Am. Tube & Stamping Co., 471 Hancock Ave., and *for mail*, 80 Elmwood Pl., Bridgeport, Conn.
- MILLER, Daniel W. (Associate-Member, 1915), Tech. Wk., Genl. Offices, Vacuum Oil Co., 61 Broadway, New York, N. Y.
- MILLER, Edward W. (1918), Ch. Engr., Fellows Gear Shaper Co., and *for mail*, 49 Cherry Hill, Springfield, Vt.
- MILLER, Edward F. (1888; 1891), Prof. Steam Engrg., Mass. Inst. of Tech., Cambridge, and 538 Ward St., Newton Centre, Mass.
- MILLER, Edward G. (1913; Associate-Member, 1913), V. P. & Genl. Mgr., Rio Cauto Sugar Co., Rio Cauto, Oriente, Cuba.
- MILLER, Edwin E. (1912), Asst. Supt. Power Plants, Hackensack Water Co., Drawer F., Weehawken, and Edgewood Lane, Palisade, N. J.
- MILLER, Elmo J. (1913; Associate-Member, 1913), Genl. Mgr., Compania Azucarea Oriente, Xavier, Oriente, Cuba.
- MILLER, Emilio G. (Associate-Member, 1916), Tech. Staff of Shipyard "Officina Camelia," Rua Dr. Assis, 102, Para, Brazil, S. A.
- *MILLER, Ernest P., Jr. (Junior, 1916), 1st Lieut., U. S. R., 1330 F. St., N. W., Wash., D. C., and 843 Main St., Fitchburg, Mass.
- MILLER, Ewell B. (Associate-Member, 1917), Dept. Ch., Planning Div., Western Elec. Co., Inc., Hawthorne Sta., Chicago, and *for mail*, 4901 W. 24th St., Cicero, Ill.
- MILLER, F. Joseph (Junior, 1905), Asst. Engr., Warren Webster & Co., Camden, N. J., and *for mail*, 1312 Bristol St., Philadelphia, Pa.
- MILLER, Franklin T. (Associate, 1917), Pres., The F. W. Dodge Co., Inc., 119 West 40th St., New York, N. Y.
- MILLER, Frank L. (Associate, 1907), 658 E. Chestnut St., Lancaster, O.
- MILLER, Fred J. (1890), Manager, 1904-1907; Vice-President, 1907-1909; Maj., U. S. A., Bethlehem Club, Bethlehem, and Center Bridge, Pa.
- MILLER, Fred M. (Junior, 1915), Genl. Foreman, Colorado Fuel & Iron Co., Coke Dept., and 117 E. Grant Ave., Pueblo, Colo.
- MILLER, George H. (1906), Supvg. Engr., Cheney Bros., and *for mail*, 147 E. Center St., South Manchester, Conn.
- *MILLER, H. W. (Junior, 1912), Maj., Ord. Dept., Heavy Art. Sec., Engr. Div., Hdqrs. S. O. S., Tours, A. P. O. 717 A. E. F., France.
- MILLER, Herman G. (1908), Mech. and Refrig. Engr., 1021 W. Boone Ave., and *for mail*, E. 3257 14th Ave., Spokane, Wash.
- MILLER, Herman H. (Associate, 1916), Mgr., Laidlaw Sales, Worthington Pump & Mch. Corp., Cincinnati, and *for mail*, 4413 Floral Ave., Norwood, O.
- MILLER, Jesse F. (1918), Ch. Engr., Dept. of Pub. Bldgs., Capitol, and *for mail*, 475 Hudson Ave., Albany, N. Y.
- MILLER, John A. (1913), Pres., Dexter Portland Cement Co., Pres., Clinchfield Portland Cement Co., and 357 Belvidere St., Nazareth, Pa.
- MILLER, John F. G. (1910), Vice-Pres. & Treas., Am. Blower Co., 1400 Russell St., and 26 Alfred St., Detroit, Mich.
- MILLER, John S. (1918), Draftsman, 319 South St., Sausalito, Cal.
- MILLER, John H. (Associate-Member, 1915), Res. Engr., Revere Sugar

- Refinery, Charlestown, Mass.; **Robert S. Kent, Inc.**, 50 Court St., Brooklyn, N. Y., and 1121 Washington St., Hoboken, N. J.
- MILLER, John V.** (1913), Mgr., Edison Chem. Wks., Silver Lake, and *for mail*, 85 N. Walnut St., East Orange, N. J.
- MILLER, Lebbeus B.** (1883), Manager, 1893-1896; Ret., 1037 E. Jersey St., Elizabeth, N. J.
- MILLER, Lewis H.** (Junior, 1918), Designing Engr., Plant Engrg. Dept., The Babcock & Wilcox Co., Barberton, O.
- MILLER, Lyman H.** (Junior, 1915), Asst. U. S. Explosive Insp., State of Conn.; Member, Advisory Committee, Regulation of Explosives for Conn.; Asst. Supt., Am. Steel & Wire Co., and 249 Park St., New Haven, Conn.
- MILLER, Paul B.** (Associate-Member, 1918), Mfg. Engr. & Ch. of Section in Apparatus Drafting Dept., Western Elec. Co., Inc., Hawthorne, and *for mail*, 5335 So. Laffin St., Chicago, Ill.
- *MILLER, Philip F.** (Junior, 1915), Capt., U. S. A., Ord. Engrg. Div., Washington, D. C., and Paris, France, and *for mail*, 218 Irving Ave., South Orange, N. J.
- MILLER, Richard E.** (1913; Associate-Member, 1916), Mem. of Firm, Poland-Miller Co., 405 Erie Bldg., Cleveland, and Bay Village, O.
- MILLER, Roy J.** (Associate, 1917), Wks. Mgr., Kohler Co., Kohler, and *for mail*, 2109 N. 7th St., Sheboygan, Wis.
- MILLER, Samuel W.** (1918), Prop., Rochester Welding Wks., 349 Orchard St., Rochester, N. Y.
- MILLER, Sereno G.** (Associate-Member, 1915), Mch. Design, The Goodyear Tire & Rubber Co., and 1826 Goodyear Ave., Akron, O.
- MILLER, Spencer** (1888), Manager, 1914-1917; Vice-President, 1917-1919; Ch. Engr., Lidgerwood Mfg. Co., 96 Liberty St., New York, N. Y., and Terrell Ave., South Orange, N. J.
- MILLER, Stanley G.** (Associate, 1917), V. P., Crex Carpet Co., Front and McKabin Sts., and *for mail*, 703 Fairmount Ave., St. Paul, Minn.
- MILLER, Theo. H.** (1906), Genl. Supt., The De Laval Separator Co., and South Rd., Poughkeepsie, N. Y.
- MILLER, Thomas H.** (Junior, 1905), Ch. Draftsman, Semet-Solvay Co., and *for mail*, 119 Beverly Rd., Syracuse, N. Y.
- MILLER, Walter** (1886), M.E., Ret., Windemere, Orange Co., Fla.
- MILLETT, Kenneth Ballard** (1908; Associate-Member, 1913), Asst. Gen. Engr., Am. Thread Co., 260 W. Broadway, New York, and *for mail*, 54 Hamilton Ave., New Rochelle, N. Y.
- MILLHOLLAND, Wm. K.** (Associate, 1917), Pres., Genl. Mgr. W. K. Millholland Mch. Co., and 3554 Graceland Ave., Indianapolis, Ind.
- MILLIKEN, Albert D.** (1915), Agt., Hamilton Mfg. Co., Lowell, Mass.
- MILLIKEN, James I.** (1917), Res. Agt., Everett Mills, Box 668, and 180 Jackson St., Lawrence, Mass.
- MILLS, Anson C.** (1915), Supt., Jackson Fence Co., and *for mail*, 1701 Francis St., Jackson, Mich.
- MILLS, Charles** (1907), Cons. Engr., Saco-Lowell Shops, and *for mail*, 23 High St., Newton Upper Falls, Mass.
- MILLS, Charles** (1914), 404 W. 12th St., Riverside, Cal.
- MILLS, Chester B.** (1912), Asst. Ch. Engr., Sperry Gyroscope Co., Manhattan Bridge Plaza, and *for mail*, 26 Stratford Rd., Brooklyn, N. Y.
- MILLS, Edmund** (1903), Marine Dept., Babcock & Wilcox Co., 85 Liberty St., New York, N. Y., and *for mail*, 319 Arlington Ave., Jersey City, N. J.
- MILLS, Harold H.** (Junior, 1913), Warrant Machinist, Nav. Aux. Reserve; Const. Engr., Automatic Sprinkler Co. of Am., 119 State St., and 536 Providence St., Albany, N. Y.

- MILLS, Wallace C. (Junior, 1913), Mch. Designer, Janesville Mch. Co., and *for mail*, 425 E. Milwaukee St., Janesville, Wis.
- MILLSPAUGH, William H. (1903; 1914), V. P., Sandusky Fdy. & Mchy. Co., and *for mail*, 519 Wayne St., Sandusky, O.
- MILNE, James (1907), M. and E. E., City of Toronto, Rm. 16, City Hall, and 67 High Park Blvd., Toronto, Ont., Canada.
- MILNER, Bert B. (Junior, 1911), Engr. M. P., N. Y. C. R. R., 1939 Grand Central Term., and 16 E. 45th St., New York, N. Y.
- MILNOR, Thomas W. (1915), Pres., Kline Hardware Co., and 32 S. 5th St., Allentown, Pa.
- MILSON, Thomas H. (1903), 528 E. 29th St., Paterson, N. J.
- *MILTENBERGER, George K. (Junior, 1913), Capt., Engrs., U. S. A., Office of Chief of Engrs., Washington, D. C., and *for mail*, 30 Elizabeth Ave., Ferguson, Mo.
- MINER, Harold L. (Associate-Member, 1917), Fire Protection Engr., E. I. du Pont de Nemours & Co., 863 Du Pont Bldg., Wilmington, Del., and 4237 Osage Ave., West Philadelphia, Pa.
- MINER, Robert I. (Associate-Member, 1918), Asst. to Genl. Supt., The Bossert Corp., Utica, N. Y.
- *MINICH, H. D. (Associate-Member, 1917), Lieut., Ord. Dept., Prod. Div., Rochester Dist. Ord. Office, Rochester, N. Y.; Cons. Engr., Cannon Pl., and *for mail*, 8 Lake Ave., Troy, N. Y.
- MINKEMA, William H. (Junior, 1918), Prod. Mgr., The Whitman & Barnes Mfg. Co., 1000 W. 120th St., and 10735 State St., Chicago, Ill.
- MINOTTY, Joseph P. (Junior, 1918), Asst. Ch. Draftsman, Aetna Explosives, Inc., 120 Broadway, and *for mail*, 172 W. 94th St., New York, N. Y.
- MIRK, Thomas (1913), Pres., Hunt, Mirk & Co., Inc., 141 Second St., San Francisco, and *for mail*, 55 Poplar Ave., San Mateo, Cal.
- MIRKIL, Thomas H., Jr. (1884), Dist. Sales Mgr., Baltimore Tube Co., Treadwell Engrg. Co., Widener Bldg., Philadelphia, and 3027 Queen Lane, Germantown, Philadelphia, Pa.
- *MISCH, Arthur A. (Junior, 1913), 1st Lieut., Ord. R. C., A. E. F., France, via New York, and 901 Wall St., Port Huron, Mich.
- MISOSTOW, Henry (Associate-Member, 1915), 615 Lincoln Parkway, Chicago, Ill.
- MISTELE, Henry J. (1916), Ch. Engr. Power Dept., The Falk Co., foot of 30th St., and *for mail*, 298 16th St., Milwaukee, Wis.
- MITCHEL, Fred A. (Junior, 1912), Struc. Engr., Inland Steel Co., Indiana Harbor, Ind., and *for mail*, 7433 Paxton Ave., Chicago, Ill.
- MITCHELL, Albert E. (1891), V. P., The Wyckoff Pipe & Creosoting Co., Inc., 30 E. 42d St., New York, N. Y., and Strawberry Hill, Stamford, Conn.
- MITCHELL, Albert H. (Associate-Member, 1914), N. Y. Rep., Taft-Peirce Mfg. Co., Woolworth Tower, New York, and 88 72d St., Brooklyn, N. Y.
- MITCHELL, Algie R. (Associate-Member, 1918), Ch. Draftsman & Supt. Mch. Shop, Andrews Steel Co., and *for mail*, 11 Highland Ave., Fort Thomas, Ky.
- MITCHELL, Benjamin M. (1894; 1905), Pres., The Conveying Weigher Co.; Engr. of Tests, N. Y. Lubricating Oil Co., New York, N. Y.; M. E., Manhattan Rubber Mfg. Co., and *for mail*, 244 Lafayette Ave., Passaic, N. J.
- MITCHELL, Chas. J. (1908), Ch. Draftsman, Fairbanks-Morse Mfg. Co., and *for mail*, 888 Schiller Pl., Beloit, Wis.
- MITCHELL, Courtney N. (1914), Ch. Engr. Truck Div., Grant Motor Car

- Corpn., Coil Rd. & Kirby Ave., and *for mail*, 13415 Graham Rd., Cleveland, O.
- MITCHELL, Grover I. (Junior, 1918), Assoc. Prof. Elec. Eng., and *for mail*, 5734 Wilkins Ave., Univ. of Pittsburgh, Pittsburgh, Pa.
- MITCHELL, Guy C. (1913), Head of Production and Engrg. Depts., The Hooven, Owens, Rentschler Co., and 501 Prytania Ave., Hamilton, O.
- MITCHELL, Guy K. (Associate, 1913), Pres., Stand. Elec. & Elev. Co., foot of Calvert St., and 1952 W. Fayette St., Baltimore, Md.
- MITCHELL, John H. (Associate, 1900), Mgr. of Sales, Pressed Steel Car Co., West. Steel Car & Fdy. Co., 425 Peoples Gas Bldg., Chicago, and *for mail*, 1032 Michigan Ave., Evanston, Ill.
- MITCHELL, John R. (Associate, 1915), Traveling Rep., W. H. Miner, 667 Rookery Bldg., and *for mail*, P. O. Box 735, Chicago, and 921 Sheridan Rd., Evanston, Ill.
- MITCHELL, Miron Allen (Junior, 1917), M.E., The Holt Mfg. Co., and *for mail*, 202 Madison Ave., Peoria, Ill., also 626 W. 4th St., Cincinnati, O.
- MITCHELL, William A. (1918), Asst. Ch. Engr., The Great West. Sugar Co., and *for mail*, 2939 Douglas Pl., Denver, Colo.
- MITCHELL, William C. (1901), Engr., Chardon, O.
- MITCHELL, W. H. (Associate, 1913), Insp., The Niagara Falls Power Co., Canadian Niagara Power Co., and *for mail*, 536 12th St., Niagara Falls, N. Y.
- *MITCHILL, George I. (Associate-Member, 1918), Corp., Co. "A," 302nd Rept. Engrs., Care of Enlisted Detach., H. Q. 77th Div., A. E. F., France, and 57 Westervelt Ave., New Brighton, S. I., N. Y.
- MITTENDORF, William (1916), Ch. Engr., Cincinnati Traction Co., 1312 Traction Bldg., and, 3508 Trimble Ave., Cincinnati, O.
- MIX, Melville W. (1893), Pres., Genl. Mgr., Dodge Mfg. Co., Dodge Sales & Engrg. Co., and 434 Lincoln Highway, E., Mishawaka, Ind.
- *MIXTER, George W. (1899; 1908), Maj., Signal Corps, Equipment Div.; V. P., Deere & Co., Moline, Ill.
- MIYAKAWA, Capt. Kunimoto (1916), Engr. Capt., I. J. N., Kikangakukai, Admiralty, Tokyo, Japan.
- MIZUNO, Seiichi (Associate, 1912), Mitsubishi Dockyard & Eng. Wks., Kobe, Japan.
- MOELLER, Franklin (1891; 1912), M. E. Power and Min. Dept., Wellman-Seaver-Morgan Co., Cleveland, and *for mail*, 42 Chapman Ave., East Cleveland, O.
- MOELLER, William, Jr. (Associate-Member, 1913), Ch. Engr., Midway Gas Co., P. O. Box N., Taft, Cal.
- MOELLER, William (1917), Genl. Supt., Tex. Portland Cement Co., Dallas, Tex.
- MOEN, Leclanche (1917), (Civilian) Gas Defense Plant, Chemical Warfare Dept., U. S. A., Long Island City, and *for mail*, 14 W. 51st St., New York, N. Y.
- MOFFETT, Charles A. (1917), V. P., Genl. Mgr., Gulf States Steel Co., 1035 Brown-Marx Bldg., and 1500 16th Ave., S. Birmingham, Ala.
- MOHLER, Charles M. (Associate-Member, 1917), Supt., Empire Automobile Co., Indianapolis, and *for mail*, Hagerstown, Ind.
- MOHLER, Valentine J. (1916), M.E., Crown Cork & Seal Co., 1511 Guilford Ave., Baltimore, Md., and *for mail*, 1215 Walnut St., Danville, Ill.
- MOHR, Louis (1886), Pres., John Mohr & Sons, 349 W. Illinois St., and 1520 N. Robey St., Chicago, Ill.
- MOLDENKE, Dr. Richard (1900), Cons. Metallurgist, Watchung, N. J.

- MOLÉ, Harvey E. (1901), Cons. Engr., 55 Liberty St., New York, N. Y., and Summit, N. J.
- MOLOKIE, Stephen W. (Junior, 1917), Asst. Supt. of Const., Engrg. Office, Hercules Powder Co., Parlin, N. J., and 81 Treadwell Ave., Port Richmond, S. I., N. Y.
- MOLYNEUX, George E. (Associate, 1917), Inventor, 19 Edwards Ct., Bayonne, N. J.
- *MONAGHAN, James F. (1909), Capt., O. O. R. C., Ft. Hancock, N. J.; Cons. Engr., 79 Milk St., Boston, 208 Newton St., and 79 Hall St., Waltham, Mass.
- MONAGHAN, Walter I. (Junior, 1917), Sales Engr., Armstrong Cork & Insulation Co., 1608 First Natl. Bank Bldg., Cincinnati, O., and *for mail*, 2875 Collis Ave., Huntington, W. Va.
- MONAGHAN, William F. (1886), Life Member; Employment Mgr., The N. Y. Edison Co., Irving Pl. and 15th St., and 60 W. 162nd St., New York, N. Y.
- MONAHAN, Louis J. (1912), Pres., Universal Motor Co., and *for mail*, 57 Waugoo St., Oshkosh, Wis.
- *MONAHAN, William H., Jr. (1917), 1st Lieut., Ord. Dept., U. S. A., Cincinnati Dist. Ord. Office, Cincinnati, and *for mail*, Box 363, Jackson, O.
- MONKS, Archibald G. (Associate, 1908), Engr., Monks & Johnson, 99 Chauncy St., Weston Road, Boston, and Weston, Mass.
- MONKS, Wm. D. (Junior, 1908), Refrigerating Sales Engr., De La Vergne Mch. Co., foot of E. 138th St., New York, and *for mail*, 406 S. 3rd Ave., Mt. Vernon, N. Y.
- MONNOT, John F. (1909), Cons. Engr., Duplex Metals Co.; V. P., Hudson Wire Co., and *for mail*, 31, Rue Daru, Paris, France.
- MONROE, F. Adair, Jr. (1916), V. P., The Dyer Co., 2031 Euclid Ave. and 1920 E. 89th St., Cleveland, Ohio.
- MONROE, Wm. S. (1896; 1901), Mem. of Firm, Sargent & Lundy, Rm. 1412, Edison Bldg., Chicago, Ill.
- MONTAGUE, Charles D. (1905), Accountant, Engr., 43 Exch. Pl., New York, N. Y., and 471 S. Maple Ave., Ridgewood, N. J.
- MONTAGUE, Charles E. (1913; Associate-Member, 1918), M. E., The Engelberg Huller Co., 831 W. Fayette St., Syracuse, N. Y.
- MONTAGUE, Wallace T. (Junior, 1913), Sales Engr., Norton Co., and 13 Clearview Ave., Worcester, Mass.
- MONTE, Robert A. (1914), Cons. and Designing Engr., 43 Nairn Pl., Newark, N. J.
- MONTEAGLE, Robert C. (1904), Pres., Genl. Mgr., The Pacific Constr. & Engrg. Co., 2917 Whatcom Ave., and *for mail*, 141 39th St., N. Seattle, Wash.
- MONTGOMERY, Graham L. (Junior, 1915), Erecting Engr., Wilputte Coke Oven Corpn., 469 5th Ave., and *for mail*, 435 W. 119th St., New York, N. Y.
- *MONTGOMERY, H. M. (1889), Maj., Q. M. C., Constr. Q. M., Jeffersonville, Ind., and St. Louis, Mo., and *for mail*, 1415 Church St., Evans-ton, Ill.
- *MONTGOMERY, Stafford (Junior, 1913), Capt., O. O. R. C., Cons. Industrial and Production Engr., Chicago, and *for mail*, Riverside, Ill.
- MONTGOMERY, William J., (Associate-Member, 1917), Head of Mch. Dept., Brockton High School, and *for mail*, 14 N. Ash St., Brockton, Mass.
- *MOODY, Frederick H. (Junior, 1913), Capt., Inf., Depot 116 Battn., Can. Inf., Witley Camp, Surrey, and *for mail*, 5 Chardmore Rd., Stoke Newington, London, N 16, England.

- MOODY, Herbert A. (1901; 1905; 1910), Genl. Mgr., Connecticut River Conservation Co., Turners Falls, Mass.
- MOODY, Lewis F. (1910), Asst. of V. P., Wm. Cramp & Sons, Ship & Eng. Bldrs., Beach & Ball Sts., Philadelphia, and *for mail*, 408 W. Cheltenham Ave., Germantown, Philadelphia, Pa.
- MOODY, V. D. (1916), Cons. Engr., Moody Engrg. Co., 90 West St., New York, N. Y.
- MOODY, William F. (1913), Designing Engr., 6 Boston Bldg., Denver, Colo.
- MOODY, William O. (1907), M. E., Ill. Central R.R. Co., 135 E. 11th St., and *for mail*, 4912 Monticello Ave., Chicago, Ill.
- MOON, Alfred G. (1916; Associate-Member, 1918), Acting Wks. Engr., Hercules Powder Co., Kenvil, and 1204 Hudson St., Hoboken, N. J.
- *MOON, Hartley A. (Associate, 1908), Maj., 167th Inf., 42nd Div., A. E. F., France, and *for mail*, 2716 Pine Ave., Birmingham, Ala.
- MOORE, Albert B. (1903), V. P. & Treas., Shedd Elec. Co., Inc., and *for mail*, 116 E. Third Ave., E., Roselle, N. J.
- MOORE, Allen H. (1902), Genl. Elec. Co., Schenectady, and *for mail*, 579 Western Ave., Albany, N. Y.
- MOORE, Carl F. (1917), Cons. Engr., U. S. Smelting, Refining and Mining Co., Rm. 900, 55 Congress St., Boston, Mass.
- MOORE, Charles B. (1914), V. P., The Oxweld R. R. Serv. Co., 339 Ry. Exch., Chicago, and 1415 Elinor Pl., Evanston, Ill.
- MOORE, Charles C. (Associate-Member, 1917), Ch. Powder Supvr., Dupont Engineering Co., and 1310 Overton St., Jacksonville, Tenn.
- MOORE, Edward J. (Associate-Member, 1918), Silent Gun Co., Inc., and *for mail*, 421 S. M St., Tacoma, Wash.
- MOORE, Edwin A. (1908), Iron Founder, Robeson St., below Weiser St., Reading, and *for mail*, 2216 N. 52d St., Wynnefield, West Philadelphia, Pa.
- MOORE, Edwin Adeed (1916; 1917), Mgr., Liberty Ord. Co., Bridgeport, Conn.
- MOORE, Frederick C. (1905), Cons. Engr., Civilian Aeronautics Engr., U. S. Bureau Aircraft Prod., Pittsburgh Dist. Office, B. A. P., and *for mail*, 8 Dunmoyle Pl., Pittsburgh, Pa.
- MOORE, Frederick T. (1918), Asst. Wks. Mgr., Colt's Patent Fire Arms Mfg. Co., Hartford, and *for mail*, Silver Lane, Conn.
- MOORE, H. Lee (Junior, 1913), Dist. Mgr., Buffalo Forge Co., 917 Union Arcade, Pittsburgh, Pa.
- MOORE, Harold T. (Associate, 1907), Industrial Engr., Day & Zimmermann, 611 Chestnut St., Philadelphia, and *for mail*, 300 Hathaway Lane, Wynnewood, Pa.
- MOORE, Herbert F. (1913), Prof. Engrg. Materials, Materials Testing Lab., Univ. of Ill., and 712 W. Nevada St., Urbana, Ill.
- MOORE, Hugh K. (1916), Chem. Engr. Research Lab., Brown Co., Burgess Sulphite Fibre Co., and *for mail*, 93 Prospect St., Berlin, N. H.
- MOORE, James L. (1911), Pres., Moore Steam Turbine Corp'n., Wellsville, N. Y.
- MOORE, James W. (Associate-Member, 1917) Ch. Engr., Am. Cast Iron Pipe Co., and 1040 Caldwell Terrace, Birmingham, Ala.
- MOORE, John H. (Junior, 1918), Prod. Dept., Bartlett Hayward & Co., and *for mail*, 1619 St. Paul St., Baltimore, Md.
- MOORE, Lee C. (1902), Pres., Lee C. Moore & Co., 1429 Oliver Bldg., Pittsburgh, Pa.
- MOORE, Levin A. (1912), Ch. Engr., Roessler & Hasslacher Chem. Co., and *for mail*, 125 Kearny Ave., Perth Amboy, N. J.
- MOORE, M. F. (Associate, 1915), Mgr., Kewanee Boiler Co., Kewanee, Ill.

- MOORE, Miller F. (1891), 320 Chestnut St., Roselle, N. J.
- MOORE, R. S. (1892), Manager, 1901-1904; Life Member; Treas., Moore & Scott Iron Wks., Foot of Adeline St., Oakland, and 2164 Hyde St., San Francisco, Cal.
- MOORE, Samuel L. (1907), V. P., Genl. Mgr., The Moore Bros. Co., Foot of Bond and Pine Sts., and *for mail*, 205 Stiles St., Elizabeth, N. J.
- MOORE, Stanley H. (1900; Associate, 1903), Arch., Engr., 5601 Admiral Way, Seattle, Wash.
- MOORE, William E. (1903), Pres., W. E. Moore & Co., 706 Union Bank Bldg., and 219 N. Dithridge St., Pittsburgh, Pa.
- MOORE, William J. P. (1885; 1888), Alberger Pump & Cond. Co., 140 Cedar St., and *for mail*, 629 W. 115th St., New York, N. Y.
- MOORE, William James (1918), Asst. Prof. Mech. Engrg., Poly Inst., Brooklyn, N. Y.
- MOORE, Wm. John (Associate-Member, 1914), Sales Engr., Inter-Continental Mchy. Corp., 165 Broadway, New York, N. Y., and *for mail*, 827 W. 6th St., Plainfield, N. J.
- MOOREHEAD, Archibald C. (Junior, 1917), Engr. in Charge of Repairs, Refinery, Standard Oil Co. of Cal., Richmond, and *for mail*, Apt. 40, Sequoia Apts., Berkeley, Cal.
- MORAN, Daniel E. (1886; 1904), Cons. Engr., 55 Liberty St., and 116 E. 58th St., New York, N. Y.
- MORAN, D. J. (Junior, 1913), Genl. Supt., So. Terminals, The Texas Co., Drawer 1805, Houston, Tex.
- MORAT, Jacques (1909), Spuyten Duyvil, and 314 Riverdale Ave., Yonkers, N. Y.
- MORAVA, Wensel (1886), Pres., Morava Constr. Co., 1043 Peoples Gas Bldg., and 4846 Kenwood Ave., Chicago, Ill.
- MORCH, John J. (Junior, 1916), Asst. Navy Inspec., Office of Inspec. of Engrg. Material, Bureau of Steam Engrg., U. S. N., 44 Court St., and *for mail*, 304 Carroll St., Brooklyn, N. Y.
- MOREAU, Ludovic (1918), Ingenieur, chez M. M. Schneider et Co., 21 E. 40th St., and *for mail*, 364 W. 120th St., New York, N. Y.
- MOREHEAD, George L. (1912), Asst. Ch. Engr., Link-Belt Co., 39th St. and Stewart Ave., and *for mail*, 7200 Princeton Ave., Chicago, Ill.
- MOREHEAD, William C. (1913; Associate-Member, 1914), Pres., Great Lakes Boat Build. Corp., 333 Becher St., and University Club, Milwaukee, Wis.
- MORETON, George W. (1909), Supt., Betts Shops, E. I. du Pont de Nemours & Co., Maryland Ave. & South St., and 1323 Gilpin Ave., Wilmington, Del.
- MOREY, Edwin (Associate-Member, 1916), Genl. Mgr., The Flather Mfg. Co., 46 Spring St., and *for mail*, 116 Concord St., Nashua, N. H.
- MOREY, Wm. E. (1918), M.E., Rodger Ballast Car Co., 523 Ry. Exchange and *for mail*, 5412 Ferdinand St., Chicago, Ill.
- MORFORD, Thomas E. (1902), N. Y. Mgr., Am. Steam Pump Co., 17 Battery Pl., New York, N. Y.
- MORGAN, Albert H. (Junior, 1918), Engrg. Asst., Western Union Telegraph Co., 195 Broadway, and *for mail*, 1 St. Nicholas Terrace, New York, N. Y.
- MORGAN, David B. (1912), V. P., Genl. Mgr., Carolina Wood Products Co., and 123 Edwin Pl., Asheville, N. C.
- MORGAN, David W. R. (Associate-Member, 1918), Ch. Engr., Cond. Dept., Westinghouse Elec. Mfg. Co., Mch. Wks., East Pittsburgh, and *for mail*, 403 Barnes St., Wilkesburg, Pa.
- MORGAN, Earl B. (1917), Employment Mgr., Curtis Publishing Co., 6th & Walnut Sts., Philadelphia, Pa.

- MORGAN, Edward J. (Associate-Member, 1914), M.E., Rock Island Sash & Door Wks., and *for mail*, 1229 17th St., Rock Island, Ill.
- MORGAN, Everette K. (Associate-Member, 1918), Genl. Supt., Rockford Drilling Mch. Co., and *for mail*, 520 Frost Ct., Rockford, Ill.
- MORGAN, Glenn C. (1917), V. P., Secy., Morgan-Gerrish Co., 501 6th St., S., Minneapolis, Minn.
- MORGAN, James L. (Associate-Member, 1918), Res. Engr., Bayer Steam Soot Blower Co. of St. Louis, 1524 Chestnut St., Philadelphia, Pa.
- *MORGAN, John D. (Associate-Member, 1917), First Lieut., E. O. R. Co., U. S. A., 564 Hawthorne St., care C. F. Schaller, Newark, N. J., and 921 Liberty St., Franklin, Pa.
- MORGAN, John D. (1913), Pat. Solicitor, Mech. Expt. Atty., 2 Rector St., New York, N. Y., and 107 Beechwood Rd., Summit, N. J.
- MORGAN, John T. (Junior, 1912), Dist. Sales Agt., The Ohio Brass Co., 1503 Virginia St., Charleston, W. Va.
- MORGAN, Lewis H. (1904; 1906), Army Inspc. of Ord., A. P. Smith Co., East Orange, and *for mail*, Mountain Ave., Scotch Plains, N. J.
- MORGAN, Merton W. (1918), Chief Draftsman, Poole Engrg. & Mch. Co., Woodberry, and *for mail*, 712 Linwood Ave., Roland Park, Baltimore, Md.
- MORGAN, Paul B. (1891; 1900), Treas., Morgan Constr. Co., 15 Belmont St., Worcester, Mass.
- MORGAN, Robert C. (1911), Ch. Engr., Stewart A. Jellet Co., Real Estate Trust Bldg., and *for mail*, 314 W. Seymour St., Philadelphia, Pa.
- MORGAN, William F. (Associate, 1906), V. P., Am. Balsa Co., Inc., 50 E. 42nd St., New York, N. Y., and Beacon and Joy Sts., Boston, Mass.
- MORGANA, Charles, Jr. (Junior, 1913), Mech. Engr., Ford Motor Co., and 1018 E. Grand Blvd., Detroit, Mich.
- MORHARDT, Frank W. (1918), Mech. Supt., Royal Typewriter Co., Inc., 150 New Park Ave., and *for mail*, 15 Beacon St., Hartford, Conn.
- MORHOUS, Oakley A. (Associate, 1915), Chem. Charge Consldt. Lab., Consldt. Gas Co. of N. Y., 501 E. 21st St., New York, and 32 Summit Ave., Larchmont, N. Y.
- MORLAN, Wilbert (1914), Engr.-in-Charge, Queens Co. Water Co., Valley Stream, N. Y.
- MORLEY, Marcus D. (Associate-Member, 1917), Testing Engr., Combustion Engrg. Corp., 11 Broadway, New York, and 6830 Ridge Blvd., Bklyn., N. Y.
- MORNINGSTAR, B. Franklin (Junior, 1917), Engr., Main Power Sta., The McKinney Steel Co., 4002 Dille Ave., S. E., and *for mail*, 8604 Wade Park Ave., Cleveland, O.
- MORRELL, Alfred M. (Associate-Member, 1914), Standard Aircraft Corp., and *for mail*, 411 Westfield Ave., Elizabeth, N. J.
- *MORRILL, Guy L. (Junior, 1913), 2nd Lieut., Engrs., U. S. A., D. of C. & F., Tours, A. E. F., France.
- MORRILL, Harley W. (1913), Agt., Ludlow Mfg. Associates, and *for mail*, 1 North St., Ludlow, Mass.
- MORRIN, Thomas (1897), Senior Member, Cons. M. E., Morrin & Coddington, Phelan Bldg., and 2928 Pacific Ave., San Francisco, Cal.
- MORRIS, Albert W. (1914), Ch. Engr., Harley Co., Ch. Engr., Morris Engrg. Co., Page Blvd., and *for mail*, 54 Buckingham St., Springfield, Mass.
- MORRIS, Albert W. (1914), Ch. Engr., Harley Co.; Ch. Engr., Morris Mach. Tool Co., Court & Harriet Sts., Cincinnati, O.
- MORRIS, John F. (1918), Supt. of Maintenance, Whitaker Glessner Co., and *for mail*, 1654 5th St., Portsmouth, Ohio.
- *MORRIS, Thomas B. (Junior, 1910), Capt., Engrs., U. S. A., Co. B.,

- 216th Engrs., Camp Kearney, Cal., and 1816 Queen City Ave., Cincinnati, O.
- MORRIS, W. Cullen (1915), Engr. of Constr., Constltd. Gas Co., 130 E. 15th St., New York, and 102 Franklin Pl., Flushing, L. I., N. Y.
- *MORRISON, Barrett W. (Junior, 1916), Sergt., Battery "A," 1st Battn., 1st Brigade, F. A., U. S. Army P. O. No. 718, A. E. F., France.
- MORRISON, Hunter (1903; Associate-Member, 1915), Sales Mgr., Hill Clutch Co., W. 65th St. and Breakwater Ave., and 1801 E. 89th St., Cleveland, O.
- MORRISON, Jared P. (1916), Ch. Insp., Hartford Steam Boiler Insp. & Ins. Co., 614 Security Bldg., and 6015 Columbia Ave., St. Louis, Mo.
- MORRISON, Lacey H. (Associate-Member, 1918), Prod. Off., Instrument Dept., Frankford Arsenal, Philadelphia, Pa.
- MORRISON, Max P. (1914), Head Draftsman, Am. Steel & Wire Co., and *for mail*, 296 Tyler St., Trenton, N. J.
- MORRISON, William (Junior, 1900), Pres., The Highland Body Mfg. Co., Sta. P., Cincinnati, and *for mail*, 750 Ludlow Ave., Clifton, Cincinnati, O.
- MORRISON, William B. (1914), Asst. Genl. Mgr., McIntosh & Seymour Corp., and *for mail*, 2 Woodruff Pl., Auburn, N. Y.
- MORRISON, William S. (1914), Asst. M.E., Metropolitan Engrg. Co., 1250 Atlantic Ave., Brooklyn, and *for mail*, 411 W. 115th St., New York, N. Y.
- MORRISSEY, John M. (Associate-Member, 1918), Field Supt. & Service Engr., Diamond Power Specialty Co., 82 1st St., Detroit, Mich., and *for mail*, 6135 Evans Ave., Chicago, Ill.
- MORRISSEY, Peter J. (1913), Genl. Mgr., Citizens Light, Heat & Power Co. of Pa., 535 Vine St., and 521 Cypress Ave., Johnstown, Pa.
- MORROW, Alexander P. (1918), Pres. & Mgr., Willys-Morrow Co., and *for mail*, 525 W. Church St., Elmira, N. Y.
- MORROW, James E. (Associate-Member, 1917), Secy., Genl. Mgr., Production, The Willys-Morrow Co., and 529 W. Church St., Elmira, N. Y.
- MORROW, Lester C. (Junior, 1916), M.E., Ord. Dept., U. S. A., Midvale Steel & Ord. Co., Eddystone, and *for mail*, 500 Morton Ave., Ridley Park, Pa.
- MORSE, Albert W. (Associate-Member, 1917), V. P., The Anthony Co., 9 Jackson Ave., Long Island City, and The Inn, Forest Hills, L. I., N. Y.
- MORSE, Arthur H. (1911), Supv., War Education Dept., Univ. of Cincinnati, Cincinnati, O.
- MORSE, Chas. H., Jr. (1897; 1904), Pres., Fairbanks, Morse & Co., 900 S. Wabash Ave., and 305 Fullerton Parkway, Chicago, Ill.
- MORSE, Edward P. (1918), Pres. & Genl. Mgr., Natnl. Dry Dock & Repair Co., Inc., Richmond Terrace, West New Brighton, S. I., N. Y.
- *MORSE, Everett R. (Junior, 1918), Capt., 6th Mobile Ord. Repair Shop, 6th Div. (Regular), A. P. O. No. 777, France, and 111 Eddy St., Ithaca, N. Y.
- MORSE, Frank L. (1912), Pres., Morse Chain Co., and Greentrees, Ithaca, N. Y.
- MORSE, Henry S. (1918), Ch. Engr., St. Joseph Lead Co., Herculanum, Mo.
- MORSE, Robert W. (Associate-Member, 1915), Pat. Attv., 511 McGill Bldg.; Asst. Prof. M. E., George Washington Univ., and *for mail*, 1669 Columbia Rd., N. W., Washington, D. C.

- *MORSE, Walter R. (Associate-Member, 1916), Capt., 301st Engrs., A. E. F., and R. F. D. No. 2, Waterbury, Conn.
- MORSE, William A. (1903), Tool Designer, Otis Elev. Co., Wells and Woodworth Ave., S., and *for mail*, 21 Union Pl., Yonkers, N. Y.
- MORSS, Everett (1914), Pres., Simplex Wire & Cable Co., 201 Devonshire St., and 115 Commonwealth Ave., Boston, Mass.
- MORSS, Henry A. (1915), Treas., Simplex Wire & Cable Co., 201 Devonshire St., and 463 Commonwealth Ave., Boston, Mass.
- MORTENSEN, Casper (Junior, 1899), Designer Mch. Tool Dept., Genl. Elec. Co., and *for mail*, 424 Broadway, Schenectady, N. Y.
- MORTON, Arthur B. (1917), Ch. Draftsman, Thompson & Co. Proprietary, Ltd., and *for mail*, Hunter St., Castlemaine, Victoria, Australia.
- MORTON, Geo. L. (1890), Prin. Examiner, Rm. 204, U. S. Pat. Office, and *for mail*, 503, The Ontario, Washington, D. C.
- *MORTON, Harold S. (Junior, 1914), R. O. T. C. at Ft. Snelling, Minn.; Engr. of Tests, North West. Fuel Co., Merchants Bank Bldg., St. Paul, and *for mail*, 3851 Lyndale Ave., N., Minneapolis, Minn.
- MORTON, Harry E. (1914), State Insp. Boilers, Commonwealth of Mass., 3 State House, Boston, and *for mail*, 1334 Washington St., Canton, Mass.
- MORTON, John W. (Junior, 1913), Asst. Engr., In Charge Diesel Eng. Unit, U. S. Shipping Bd., Emergency Fleet Corp., Philadelphia, Pa.
- MOSELEY, Alexander W. (1900), Prof. M.E., Lewis Inst., Chicago, and *for mail*, 522 Church St., Evanston, Ill.
- MOSELEY, Wm. S. (1917), M. E., C. C. & O. Ry., Erwin, Tenn.
- MOSES, Ashleigh S. (1914), Engr. Mfg. Com., Natl. Lead Co., 111 Broadway, New York, N. Y.
- MOSES, Carl A. (Junior, 1917), Firemen's Mutual Ins. Co., Grosvenor Bldg., Providence, R. I.
- MOSES, Fred C. (Associate-Member, 1918), Designing Engr., Bethlehem Steel Co., and *for mail*, 30 N. Wilbur Ave., Bethlehem, Pa.
- MOSES, Fredrick T. (Associate, 1916), V. P., Engr., Firemen's Mutual Ins. Co., 841 David Whitney Bldg., and 41 Holbrook Ave., Detroit, Mich.
- MOSES, Walter B. (Junior, 1917), V. P., The Engrg. Sales Co., Inc., 303 Whitney Bank Bldg., and 3228 S. Carrollton Ave., New Orleans, La.
- MOSHER, Clifford C. (1917), Pres. & Genl. Mgr., East Iron & Mch. Co., Lima, O.
- MOSMAN, Chas. T. (1909), Dist. Engr., Genl. Elec. Co., 84 State St., Boston, and 5 Wolcott Terrace, Winchester, Mass.
- *MOSMAN, Ernest (1916), Capt., Ord., N. A., Rock Island Arsenal, Rock Island, Ill.
- MOSS, Herbert H. (Associate-Member, 1917), Asst. Engr., Everly M. Davis Chem. Corp., Picon, Little Rock, Ark.
- MOSS, Sanford A. (1903), Engr. Turbine Research Dept., Genl. Elec. Co., West Lynn, Mass.
- MOSS, William D. (Associate-Member, 1918), Mgr., Capitol Motor Corp., 319 West Broad St., Richmond, Va.
- MOSSBERG, Frank (1895), Pres., Frank Mossberg Co., Lamb St., and 141 Pleasant St., Attleboro, Mass.
- MOSSMAN, Roy L. (Associate, 1917), Ch. Engr., Municipal Water & Power Plant, Humboldt, Tenn.
- *MOTT, Chas. S. (1898; 1909), Maj., Q. M. C., U. S. A., Motors Branch, D. of P., Detroit, and *for mail*, 1400 East Kearsley St., Flint, Mich.
- MOTTINGER, Byron T. (1916), Ch. Engr. & M. M., The Quaker City Rubber Co., Wisconsin, Philadelphia, Pa.
- MOUL, Harry A. (Junior, 1916), 2003 Columbia Ave., Philadelphia, Pa.

- MOULTON, Seth A. (1914), Natnl. Sales Mch. Co., 26 Salisbury St., Worcester, Mass.
- MOULTHROP, Irving E. (1902), Manager, 1908-1911; Vice-President, 1912-1914; Asst. Supt., Constr. Bureau, Edison Elec. Illum. Co., of Boston, 39 Boylston St., Boston, and 1203 Commonwealth Ave., Allston, Mass.
- *MOUNT, Carroll H. (Junior, 1910), 1st Lieut., Ord. R. C., Aberdeen Proving Ground, Md.
- MOUNT, Ralph H. (1917), M.E., California Loading Co., Old Bridge, and *for mail*, 58 Maple Ave., Red Bank, N. J.
- MOUNT, Wm. D. (1892; 1897), Rm. 316, First Natnl. Bank Bldg, Roanoke, Va.
- MOWAT, J. Fred (1916), Asst. Ch. Engr., Ill. Steel Co., Collins St., and *for mail*, 812 Third Ave., Joliet, Ill.
- MOWERY, Harold W. (Associate, 1916), Am. Abrasive Metals Co., 50 Church St., New York, N. Y.
- MOWRY, Harry W. (1918), Standardization Engr., West. Elec. Co., Inc., Hawthorn Sta., Chicago, and *for mail*, 3326 Mone Ave., Berwyn, Ill.
- *MOXHAM, Egbert (1906; 1912), Lieut. Col., Ord., and *for mail*, 1810 Wyoming Ave., N. W., Washington, D. C.; Pres., F. B. Foster & Co., Inc., 2447 Locust St., Philadelphia, Pa., and Old Mill Rd., Great Neck, L. I., N. Y.
- MOYER, Allen V. (1909; 1916), Asst. Engr., Struthers-Wells Co., and *for mail*, 413 Hickory St., Warren, Pa.
- MOYER, Amos F. (Associate-Member, 1914), Instr. Exper. Engrg., Univ. of Minnesota, and *for mail*, 111 Arthur Ave., Minneapolis, Minn.
- MOYER, James A. (1907), Dir. State Dept., Univ. Extension State House, and Hotel Hemenway, Boston, Mass.
- MOYER, J. Ross (Junior, 1913), Sales Mgr., F. R. Phillips & Sons Co., 71 Broadway, New York, and 635 84th St., Brooklyn, N. Y.
- MOYER, Malcolm B. (Associate-Member, 1917), Pres., Moyer Mfg. Co., and 131 Summit Ave., Montevideo, Minn.
- MOYER, Melbourne S. (Associate, 1917), Industrial Dept., The Natl. City Co., 55 Wall St., New York, and Hollis Ave, Hollis, L. I., N. Y.
- *MOYER, Will D. (Junior, 1917), Capt., C. A., O. R. C., Ft. McKinley, Portland, Me.
- MOYER, William J. (Associate-Member, 1913), Supt. of Constr., Moyer Engrg. & Constr. Co., 375 Fulton St., and *for mail*, 1809 Beverly Rd., Brooklyn, N. Y.
- MOZEEN, Herbert D. (Junior, 1917), Bureau of Aircraft Prod., 11 W. Monument St., Dayton, O.
- MUCKLE, Col. John S. (1904), M. E., 2023 Walnut St., Philadelphia, Pa.
- MUCKLE, M. R., Jr. (1885), 220 S. Broad St., and 1722 Pine St., Philadelphia, Pa.
- MUDD, John P. (1910; Associate-Member, 1915), M.E., The Midvale Steel & Ord. Co., and *for mail*, P. O. Box 1322, Philadelphia, Pa.
- MUDGE, Sterling W. (Junior, 1914), Instr., Mech. Lab., Pratt Inst., 215 Ryerson St., Brooklyn, and *for mail*, The Place, Glen Cove, L. I., N. Y.
- MUELLER, Grover R. (Associate, 1918), Mfrs. Agent & Sales Engr., 1014 Brown Marx Bldg., Birmingham, Ala.
- MUELLER, Herman F. (1913), Ch. Engr., Washburn Crosby Co., and *for mail*, 2018 Dupont Ave., N., Minneapolis, Minn.
- MUELLER, Jacob L. (Junior, 1915), M. E., The Am. Chain Co., Inc., and 127 Catherine St., Bridgeport, Conn.
- MUELLER, Oscar W. (1917), Pres., The Mueller Mch. Tool Co., 2427 Colerain Ave., and 2431 Ohio Ave., Cincinnati, O.

- MUELLER, Victor H. (Junior, 1907), Designing Engr., Doherty Operating Co., 60 Wall St., New York, N. Y., and *for mail*, 25 Maple Terrace, East Orange, N. J.
- MUHLFELD, John E. (1908), Pres., Loco. Pulverized Fuel Co., 30 Church St., New York, and *for mail*, Sherbrooke Rd., Scarsdale, N. Y.
- MUIR, John J. (1896), Supt., Patterson-MacDonald Shipbldg. Co., and *for mail*, 3134 37th Pl., S., Seattle, Wash.
- *MUIR, Leonard S. (Junior, 1916), 2nd Lieut., R. M. A., Air Serv., Payne Field, West Point, Miss.; Ch. Draftsman, Dwight Seabury, 12 East Ave., Pawtucket, and 24 Poplar St., Providence, R. I.
- MUIR, Roy C. (1917), Power and Min. Engrg. Dept., Genl. Elec. Co., and *for mail*, 20 N. Church St., Schenectady, N. Y.
- MULCARE, James J. (1917), Asst. Engr. in charge Drafting Dept., Genl. Elec. Co., and *for mail*, 943 State St., Schenectady, N. Y.
- MULHERON, William (Junior, 1913), Asst. Ch. Engr., Chester Shipbldg. Co., Ltd., 808 Finance Bldg., Philadelphia, and 332 Greenwood Ave., Wyricote, Pa.
- MULLANEY, John E. (Junior, 1915), Delaval Steam Turbine Co., and *for mail*, 1215 W. State St., Trenton, N. J.
- MULLEN, John (1886), Genl. Mgr., John Mullen & Son, 516 N. Franklin St., and 129 S. Shamokin St., Shamokin, Pa.
- MULLER, Edward A. (1890), V. P., Genl. Mgr., The King Mech. Tool Co., P. O. Sta. W., Cincinnati, and *for mail*, 839 Mitchell Ave., Avondale, Cincinnati, O.
- MÜLLER, Frederick (Junior, 1913), Engr., Müller Mfg. Co., 1198 Franklin Ave., New York, N. Y.
- *MULLER, Raymond W. (Junior, 1916), Ensign, Submarine Unit, 5th Div., U. S. Military Academy; Asst. Contr. Engr., Walter Kidde & Co., 140 Cedar St., New York, and *for mail*, Highland Falls, N. Y.
- MULLER, Richard O. (1913), Asst. Ch. Engr., Terry Steam Turbine Co., and *for mail*, 62 Edwards St., Hartford, Conn.
- *MULLERGREN, Arthur L. (Associate-Member, 1918), Lieut., Q. M. C., care of Camp Utilities, Camp Funston, Kan.; Sec.-Treas., Benham Engrg. Co., 1300 Colcord Bldg., Oklahoma City, Okla., and Montgomery Apts., Junction City, Kan.
- MULLHAUPT, Alfred, Jr. (Junior, 1911), 25 School St., Bradford, Pa.
- MULLINER, Richard H. (1916), Secy., Treas., Mulliner-Enlund Co., 541 S. Clinton St., and 333 Rich St., Syracuse, N. Y.
- MUNCASTER, Walter J. (1887), V. P., Genl. Mgr., Cumberland Steel Co., and 157 Washington St., Cumberland, Md.
- MUNCY, Victor E. (1914), Prof. Mech. and Applied Elec., Sch. of Mech. and Elec., Ohio Mechanics Inst., and 3325 Burnet Ave., Cincinnati, O.
- MUNN, D. Walter (1915), Ch. Engr., Armstrong Whitworth of Canada, Ltd., Longouil, and *for mail*, 2282 Hutchinson St., Outremont, Que., Canada.
- MUNRO, George W. (1912), Asst. Prof. M. E., Purdue Univ., Lafayette, and *for mail*, 202 Waldron St., West Lafayette, Ind.
- MUNRO, Robert E. (1916), Ch. Insp., Hartford Steam Boiler Inspc. & Ins. Co., Rm. 20, Abell Bldg., and 610 Chestnut Hill Ave., Baltimore, Md.
- *MUNSON, Charles C. (Associate, 1913), 1st Lieut., Air Serv., Aircraft Prod., U. S. A., Plant Approvals Officer, Chicago Dist. Office, Finance Div.; V. P., E.-G. LeCato Co., Inc., 73rd St. & Broadway, New York, N. Y., and *for mail*, 62 Lincoln Ave., Grantwood, N. J.
- MUNSON, Edmund G. (1908), Carton Ave., and *for mail*, 5 Hobart St., Utica, N. Y.

- MUNSON, Horace D. (1916), Plant Engr., Mathieson Alkali Wks., and *for mail*, 9 Ericson Pl., Niagara Falls, N. Y.
- MUNSON, John G. (1917), Constr. Engr., J. G. White Engrg. Corp'n, Sheffield, Ala.
- MUNSON, Kenneth A. (Junior, 1917), Drafting Dept., Genl. Elec. Co., West Lynn, and *for mail*, 117 N. Common St., Lynn, Mass.
- MUNSON, Stanley (Junior, 1911), Ch. Engr., Kirkman & Son, 215 Water St., and *for mail*, 915 Ditmas Ave., Brooklyn, N. Y.
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- OWEN, Richard L. (Junior, 1918), Purch. Dept., Remington Arms & Ammunition Co., Remington Bridgeport Wks., Bridgeport, Conn.
- OWENS, Charles T. (Associate, 1912), Alabama Power Co., Brown Marx Bldg., Birmingham, and 2805 19th Ave., Ensley, Ala.
- OWENS, Robert H. (Junior, 1916), Ch. Draftsman, Diamond Chain & Mfg. Co., 502 Kentucky Ave., and 3115 Ruckle St., Indianapolis, Ind.
- OWESEN, Henrik (Junior, 1914), Estimator, Homestead Steel Wks., Munhall, Pa.

- PABODIE, Robert J. (1914), Dist. Mgr., The Griscom-Russell Co., 835 Monadnock Bldg., Chicago, and 1315 S. 6th Ave., Maywood, Ill.
- PACHARD, Roland A. (1918), Supt. of Power, Barnet Leather Co., Mill St., and *for mail*, 643 E. Monroe St., Little Falls, N. Y.
- PACKARD, Horace N. (Junior, 1911), Mech. Engr., Cutler Hammer Mfg. Co., and 567 Farwell Ave., Milwaukee, Wis.
- PACKER, E. Ray (Associate-Member, 1916), M.E., The Q. & C. Co., 90 West St., New York, N. Y.
- PADRON, Augustin (Junior, 1916), F. H. Walter & Co., 65 Rua General Camara, Rio de Janeiro, Brazil, S. A.
- PAFFEN, Paul J. (1916), M. E., Barrett Mfg. Co., Rm. 1343, 17 Battery Pl., New York, N. Y.
- PAGE, Julian D. (1918), Ch. Draftsman, Perin & Marshall, 2 Rector St., New York, and *for mail*, 15 Butler Pl., Brooklyn, N. Y.
- PAIGE, Harrison N. (Associate, 1917), Shift Foreman M. P. Dept., Mount Lyell Mining & Ry. Co., Ltd., and *for mail*, McNamara St., Queenstown, Tasmania, Australia.
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- PAINE, Walter S. (Associate-Member, 1918), Safety Engr., Aetna Life Ins. Co., 650 Main St., and *for mail*, 146 Oakland Terrace, Hartford, Conn.
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- *PAINTER, Walter (Junior, 1917), 2nd Lieut., R. M. A., Air Serv. Aero., Brooks Field, San Antonio, Tex.
- PALATINE, Renard L. (Junior, 1918), Instr., Continuation Sch., Crosby High Sch., Waterbury, and *for mail*, 133 Wilson Ave., Torrington, Conn.
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- PALMER, Arthur C. H. (1900), Asst. Engr., Queensland Ry., and *for mail*, Commercial Union, Chas. Engle St., Brisbane, Australia.
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- PALMER, George W., Jr. (1909), Bay State St. Ry. Co., Boston, and *for mail*, 31 Highland Pl., Fall River, Mass.
- PALMER, Guernsey A. (1916; Associate-Member, 1918), Mgr., De La Vergne Eng. Co., 1116 Carter Bldg., Houston, Tex.
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- PALMER, Perley B. (1910), Genl. Supt., Orono Pulp & Paper Co., Orono, Me.
- PALMER, Virgil M. (1905; 1914), Engr. of Indust. Economy, Eastman Kodak Co., and 59 Trafalgar St., Rochester, N. Y.
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- *PANCOAST, Fred L. (1913), Capt., O. D., U. S. R., Prod. Div., District

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- PARKER, John Clinton (1905), Engr., Pardel Co.; Editor, "Lefax," Sheridan Bldg., Philadelphia, and *for mail*, 5353 Gainor Rd., Wynnefield, Philadelphia, Pa.
- PARKER, Karr (Junior, 1918), Engrg. Mgr., McCarthy Bros. & Ford, 75-79 West Mohawk St., and *for mail*, 86 Norwalk Ave., Buffalo, N. Y.
- PARKER, Lee H. (1896), Pres., Spray Engrg. Co., 93 Federal St., Boston, and *for mail*, 72 Englewood Ave., Brookline, Mass.
- PARKER, Levin S. (1908), V. P., Vulcan Iron Wks., Inc., foot of Morris St., Jersey City, N. J., and 1814 Ave J., Brooklyn, N. Y.
- PARKER, L. R. (1916), Engr. of Stations, Toronto Hydro-Elec. System, 226 Yonge St., Toronto, Canada, and *for mail*, Columbia Univ. Club, 4 W. 43rd St., New York, N. Y.
- PARKER, Thomas R. (1915), Supt. Eagle Wks., Standard Oil Co., Claremont, Jersey City, and 522 Garfield Ave., Jersey City, N. J.
- PARKER, Thomas T. (1914), Ch. Boiler Insp., The Fidelity & Casualty Co., 92 Liberty St., New York, and *for mail*, 1144 President St., Brooklyn, N. Y.
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- *PARKS, Burritt A. (Associate-Member, 1917), Capt. of Engrs., U. S. A., Genl. Engr. Depot, 1424 Consumers Bldg., Chicago, Ill., and *for mail*, 537 College Ave., S. E., Grand Rapids, Mich.
- PARKS, Edward F. (1916), Genl. Supt. & Ch. Engr., Universal Winding Co., 1655 Elmwood Ave., Box 1513, and 82 Whitmarsh Ave., Providence, R. I.
- PARKS, Frederick W. (1914), Pres., Genl. Sales Mgr., The G. M. Parks Co., 970 Main St., and 15 Prince St., Fitchburg, Mass.
- PARKS, Howard M. (Associate-Member, 1914), V. P., Secy., G. M. Parks Co., 970 Main St., and 154 Pleasant St., Fitchburg, Mass.
- PARMELY, J. Clyde (Junior, 1914), Constr. Engr., Luzerne Co. Gas & Elec. Co., Bridge & Beade Sts., and 162 Church St., Plymouth, Pa.
- *PARMENTER, Lawrence I. (Junior, 1918), 2nd Lieut., C. W. S., W. S. A., Edgewood Arsenal, Edgewood Plant, Edgewood, Md.
- *PARR, Harry L. (1910), Lieut., U. S. N. R. F.; Asst. Prof. M. E., Columbia Univ., New York, and 35 Gilbert Pl., Yonkers, N. Y.
- PARRIGIN, Homer P. (Junior, 1917), Mech. Engr., The Texas Co., Box 662 and 122 S. Wheeling, Tulsa, Okla.
- PARRISH, Samuel M. (1918), Power Supv., The Celluloid Co., 290 Ferry St., and *for mail*, 412 Belmont Ave., Newark, N. J.
- PARROCK, H. P. (1911), Manager, Lumen Bearing Co., 197 Lathrop St., and 1215 Elmwood Ave., Buffalo, N. Y.
- PARSELL, Roy L. (Junior, 1915), Asst. Industrial Engr., Winchester Repeating Arms Co., and *for mail*, 161 York St., New Haven, Conn.
- PARSONS, Charles H. (1918), Engr., Constr. Dept., Am. Loco. Co., and *for mail*, 32 Alvey St., Schenectady, N. Y.
- PARSONS, Edmund S. (1909; 1913), M.E., Remington, Typewriter Wks., and 202 2nd St., IJion, N. Y.

- PARSONS, Frederick A. (Junior, 1914), Ch. Engr., The Kempsmith Mfg. Co., and 451 24th Ave., Milwaukee, Wis.
- PARSONS, Frederick W. (1889), 300 Maple Ave., Elmira, N. Y.
- PARSONS, George Kingdon (1911), Business Counselor & Cons. Engr., 29 Pine St., New York, N. Y.
- PARSONS, H. de B. (1885; 1887), Manager, 1915-1918; Civilian Engr., Aircraft Prod., Approvals Dept., U. S. A.; Cons. Engr., 22 William St., and 36 E. 61st St., New York, N. Y.
- PARSONS, Harry N. (Junior, 1912), Sales Engr., U. S. Ball Bearing Mfg. Co., Palmer St. & Kolmar Ave., and *for mail*, 2716 Sunnyside Ave., Chicago, Ill.
- PARSONS, Henry S. (Junior, 1917), Supt., E. R. Ladew Co., Inc., Glen Cove, L. I., N. Y.
- PARTHESIUS, Henry J. (Junior, 1915), Rome Brass & Copper Co., and *for mail*, 116 Dean St., Rome, N. Y.
- PARTINGTON, James (1917), Estimating Engr., Am. Loco. Co., 30 Church St., New York, N. Y., and 154 Prospect St., East Orange, N. J.
- PASCALL, Richard H. (1894), Pres., Pickering Governor Co., and 329 Main St., Portland, Conn.
- PASSANO, Edward B. (1912), Pres., Mgr., The Williams & Wilkins Co., 2419-21 Greenmount Ave., Baltimore, and Towson, Md.
- PATCH, James A. (Junior, 1914), Sales Mgr., M. E., Suspension Bearing Co., Spartanburg, S. C., and 114 Prichard St., Fitchburg, Mass.
- PATERSON, James V. (1912), 1025 Boylston Ave. N., Seattle, Wash.
- PATERSON, Lester B. (Junior, 1915), Scheduling Engr., N. Y., N. H. & H. R. R., Readville, Mass., and *for mail*, 1001 E. 167th St., New York, N. Y.
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- PATITZ, Gerhardt J. (1900; 1907), Asst. Supt., Supv. Engr., P. Schoenhofen Brewing Co., P. O. Box 743, Chicago, and 715 S. Ridgeland Ave., Oak Park, Ill.
- PATITZ, J. F. Max (1891; 1900), Ch. Cons. Engr., Allis-Chalmers Mfg. Co., and *for mail*, 473 38th St., Milwaukee, Wis.
- PATRICK, I. (1914), V. P., Special Engr., E. W. Bliss Co., Adams & Plymouth Sts., Brooklyn, N. Y.
- PATTBERG, George (Associate-Member, 1918), Supt., Eisemann Magneto Co., 32-33 Sts., Bush Terminal, Brooklyn, N. Y., and 39 Howe Ave., Passaic, N. J.
- PATTEN, E. L. Osborne (Junior, 1915), Mech. Supt., Eastern Mfg. Co. Katahdin Pulp & Paper Co. Div., Lincoln, Me.
- PATTERSON, A. W., Jr., (1897; 1903), Vice Pres., The Engineer Co., 17 Battery Pl., N. Y., and 105 4th Ave., E., Roselle, N. J.
- PATTERSON, Duncan (1918), V. P., Foamite Fire Extinguisher Co., Rm. 810, 200 5th Ave., New York, N. Y.
- PATTERSON, Edgar H. (Associate-Member, 1917), Asst. to Marine Engr., Pusey & Jones, Gloucester, and *for mail*, 1012 Prospect Ridge, Hadson Heights, N. J.
- PATTERSON, Eugene C. (1914), Secy., Genl. Mgr., Chattanooga Boiler & Tank Co., and 207 Morningside Drive, Ferger Pl., Chattanooga, Tenn.
- PATTERSON, Henry R. (1915), Supt. Scott St. Wks., Am. Steel & Wire Co., and 608 Oneida St., Joliet, Ill.
- PATTERSON, J. Clifford (Associate-Member, 1918), Asst. Mgr., Steam & Testing Depts., The Solvay Process Co., Syracuse, N. Y.
- PATTERSON, James C. (Junior, 1916), Ch. Engr., The Stand. Cotton Co.

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- PATTERSON, Peter C. (1897; 1916), Ch. Engr., Natl. Tube Co., 1702 Frick Bldg., Pittsburgh, and 1501 Library Ave., McKeesport, Pa.
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- PATTISON, Frank A. (1903), Cons. Engr., Pattison Bros., 1182 Broadway, New York, N. Y., and Colonia, N. J.
- PATTISON, Hugh (1914), 1610 Spruce St., Philadelphia, Pa.
- PATTON, David C. (Junior, 1912), Pres., Halliwell & Patton Publishing Co., 20 E. Jackson Blvd., also Manager World Press Union Stock Yards, Chicago, Ill., and *for mail*, 10628 Longwood Drive, Chicago, Ill.
- PATTON, John H. (Junior, 1898), Supt., N. Y. Quebracho Extract Co., West and Green Sts., and *for mail*, 1167 President St., Brooklyn, N. Y.
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- PAUL, J. S. (Associate-Member, 1918), Ch. Supvr. of Am. Shop Equip. Co., Rm. 1411, 30 Church St., New York, N. Y.
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- PAULSON, Peter A. (1915), Supt. Sulphite Mill, Kimberly-Clark Co., Kimberly and Niagara, and Box 322, Appleton, Wis.
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- PAYSON, T. Elliott (1906; 1914), Presto Mch. Wks., Inc., 124-32 Pearl St., Brooklyn, and *for mail*, 148 Hendrickson Ave., Rockville Center, L. I., N. Y.
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- *PEASE, Maxfield (Junior, 1916), Ensign, U. S. N. R. F., Naval Flying Corps, Navy Prod. Office, Standard Aircraft Corp'n., and 511 N. Broad St., Elizabeth, N. J.
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- PENNINGTON, James H. (1902), Prod. Engr., Baltimore Copper Smelting & Rolling Co., Highlandtown P. O., and 2304 Roslyn Ave., Baltimore, Md.
- *PENROD, Estel B. (Junior, 1916), Meteorological Sec., Sig. Corps, U. S. A., College Sta., Tex., and *for mail*, Laketon, Ind.
- PENROSE, Charles (1918), Engr., Day & Zimmerman, Inc., Engrs., 611 Chestnut St., and 7925 Lincoln Drive, Chestnut Hill, Philadelphia, Pa.
- PENRUDDOCKE, J. H. (1889), c/o Edwards Bros., 623 Granville St., Vancouver, B. C., Canada.
- PENTECOST, Arthur (1913), M.E., Supt., The Adder Mch. Co., 533 Canal St., and *for mail*, 102 W. 75th St., New York, N. Y.
- PEPER, John H., Jr. (1910; Associate-Member, 1916), Engr., N. Y. Transit Co., 26 Broadway, New York, and *for mail*, 404 Hancock St., Brooklyn, N. Y.

- PEPPER, Chester L. (1912; Associate-Member, 1918); Agt., Vocational Educ., Mass. Bd. of Education, Rm. 213a, State House, Boston, and *for mail*, 69 Glendale Rd., Quincy, Mass.
- PERATT, William H. (Junior, 1914), Draftsman, The Upson Nut Co., Scranton & Carter Rds., and *for mail*, 1862 E. 101st St., Cleveland, O.
- PERCY, John C. (1915), Mech. Supt., Julius Kayser & Co., 232 Taaffe Pl., and *for mail*, 1014 Park Pl., Brooklyn, N. Y.
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- PERHAM, Deane E. (Junior, 1916), Sales Engr., The Automatic Refrig. Co., 53 W. Jackson Blvd., and 6231 Kenwood Ave., Chicago, Ill.
- PERKINS, Donald L. (Junior, 1918), Foreman, Federal Shipbldg. Co., Kearney, and *for mail*, 716 Ocean Ave., Jersey City, N. Y.
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- PERKINS, Edwin A. (1915), Sales Engr., The Norma Co. of Am., 1790 Broadway, New York, and *for mail*, 74 Middletown St., Jamaica, L. I., N. Y.
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- PERKINS, L. Arthur (Junior, 1913), Asst. Supt., U. S. Cast Iron Pipe & Fdy. Co., and *for mail*, 1500 Berkley Ave., Bessemer, Ala.
- PERKINS, Nathan W., Jr. (1913), Engr., Designer, Ellis Adding Type-writer Co., 338 Elizabeth Ave., Newark, and 130 S. Parkway, East Orange, N. J.
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- PERKINS, Rowan P. (Associate-Member, 1914), Combustion Engr's. Office, The United Gas Improvement Co., 1401 Arch St., and *for mail*, 2005 De Lancey St., Philadelphia, Pa.
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- *PERRIS, Norris M. (Junior, 1918), 2nd Lieut., Ord. Dept., U. S. A., Aberdeen Proving Ground, Aberdeen, Md.
- PERRY, Ernest B. (1917), Mgr., Industrial Wks., 135 Washington Ave., and 2230 Center Ave., Bay City, Mich.
- PERRY, Frank B. (1902; 1908), Commer. Engr., Genl. Elec. Co., 84 State St., Boston, and *for mail*, 53 Stearns St., Newton Centre, Mass.
- PERRY, George A. (1912), M. E., Jones & Lamson Mch. Co., and 16 Orchard St., Springfield, Vt.
- PERRY, Hiram W. (1918), Genl. Supt., Yaryan Rosin & Turpentine Co., and *for mail*, Brunswick, Ga.
- PERRY, Ralph H. (Junior, 1915), Supt., Progressive Mfg. Co., Norwood St., and *for mail*, 321 Prospect St., Torrington, Conn.
- PERRY, Samuel B. (Junior, 1895), 337 Mather St., Syracuse, N. Y.
- PERRY, Thomas D. (Associate-Member, 1917), V. P. & Secy., Grand Rapids Veneer Wks., 800-1000 Front St., Grand Rapids, and *for mail*, R. R. 1, Constock Park, Kent Co., Mich.
- PERSIANI, Charles C. (Associate, 1916), Treas., Clark Bros. Bolt Co., Milldale, and Plantsville, Conn.
- PERSONS, J. O. (1916), Asst. Gen'l. Supt., Baltimore Dry Docks & Shipbldg. Co., Baltimore, Md., and *for mail*, 83 Yale St., Bridgeport, Conn.
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- PETERS, Francis C. (Associate-Member, 1918), Mech. Engr., The New Jersey Zinc Co., and *for mail*, 444 Columbia Ave., Palmerton, Pa.
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- PETERS, R. F. (1913), M.E., Frisco R. R., Frisco Bldg., and 759 South St., Springfield, Mo.
- PETERSEN, Sverre (1914), M. W. Roxana Petroleum Co. of Okla., and 1012½ N. Boston St., Tulsa, Okla.
- PETERSON, Carl H. (1910), Rep., The Baldwin Loco. Wks., 627 Ry. Exchange, Chicago, Ill.
- PETERSON, Edward T. (1913), Treadwell Engrg. Co., Easton, Pa.
- PETERSON, Emil A. (1914), Treas., Mgr., Valley Iron Wks. Co., and *for mail*, 516 Alton St., Appleton, Wis.
- PETERSON, Eric H. A. (1916), Mech. and Refrig. Engr., Ford Motor Co., Highland Park, and *for mail*, 353 Palmer Park Blvd., W., Detroit, Mich.
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- PETTERSON, A. Hugo (1917), Contg. Engr., The Mt. Vernon Bridge Co., and *for mail*, 506 E. Gambier St., Mt. Vernon, Ohio.
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- PETTIS, Clifton D. (1905), V. P., Wks. Mgr., Am. Brake Shoe & Fdy. Co., 30 Church St., and 14 E. 60th St., New York, N. Y.
- *PETTIS, John G. (Junior, 1917), Ch. Machinists Mate, Avia., Detailed to Ord. Inspec., Chicago Office, Nav. Inspec. Ord., 1224 Edison Bldg., and *for mail*, 3864 Lake Park Ave.; Experimental Engr., Imperial Brass Mfg. Co., 1200 Harrison St., Chicago, Ill.
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- PFISTERER, G. E. (Junior, 1913), The Green Fuel Economizer Co., 1450 Old Colony Bldg., Chicago, Ill.

- PHARR, Eugene A. (1908), Sugar Planter, Mfr., J. N. Pharr & Sons, Ltd., Morgan City, La.
- PHARR, Henry N. (1907), Sugar Planter, Mfr., Iberia Parish, Olivier, La.
- PHELPS, Barton P. (1918), Engr., Shop Extensions, Santa Fe Ry. System, Rm. 43, Santa Fe Shops Bldg., Topeka, Kan.
- PHELPS, Charles C. (1909; Associate-Member, 1916), Oxweld Acetylene Co., 646 Frelinghuysen Ave., Newark, and *for mail*, 323 N. Fullerton Ave., Montclair, N. J.
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- PHILLEO, George W. (1915), Burma Mines Co., Ltd., Namtu, Northern Shore States, Burma, India.
- PHILLIPS, Cecil O. (1914), Secy., Treas., Union Seed & Fertilizer Co., 65 Broadway, New York, and Chappaqua, N. Y.
- PHILLIPS, Charles H. (1914), Genl., Mgr., West Va. Aircraft Co., and Leatherwood, Wheeling, W. Va.
- PHILLIPS, Edmund M. (Associate-Member, 1917), Leading Draftsman Steam Turbine Dept., Genl. Elec. Co., West Lynn, and 286 Eastern Ave., East Lynn, Mass.
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- PHILLIPS, Victor B. (Junior, 1917), Engrg. Asst. to Supt. of Power, The Cleveland Ry. Co., Leader-News Bldg., and *for mail*, 1818 E. 105th St., Cleveland, O.
- *PHILPOT, N. E. (Junior, 1918), Chief Machinist's Mate, U. S. N. R. F., Asst. Nav. Inspec. of Ord., Ohmer Fare Register Co., Dayton, O.
- PHIPPS, Walter (1914), Address Unknown.
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- PICKEL, Harry A. (Associate-Member, 1917), Supt. of Power, Hercules Powder Co., Kenvil, N. J.
- PICKELS, Robert F. (1918), Prop., Watts Regulator Co., 250-252 Lowell St., Lawrence, Mass.
- PICKLES, John F. (Associate-Member, 1917), with W. F. Pickles, Buckland, Conn.
- PICKOP, George B. (1908), Asst. Supt., Malleable Iron Fittings Co., Branford, and *for mail*, 165 Townsend Ave., New Haven, Conn.
- PIEK, Stefaan (1915), Genl. Mgr., Niagara Lockport & Ont. Power Co., 1638 Marine Natl. Bank Bldg., Buffalo, N. Y.
- PIERCE, Burton B. (1913), Supt., Ch. Engr., Wash. Portland Cement Co., Concrete, Wash.

- PIERCE, Edward L. (1898), Pres., Solvay Process Co., Vice Pres., Semet Solvay Co. By-Prod. Coke Corp., Pres., Solvay Collieries Co., P. O. Drawer 2, Syracuse, N. Y.
- PIERCE, Frederic E. (1909), Cons. Engr., Peirce & Skoymark, Inc., 35 Nassau St., and 10 W. 43rd St., New York, N. Y.
- PIERCE, H. M. (1917), Ch. Engr., E. I. du Pont de Nemours & Co., Dupont Bldg., and *for mail*, 2006 Blvd., Wilmington, Del.
- *PIERCE, Paul L. (1918), Lieut. Col., Ord. Dept., U. S. N. A., Army P. O. 702, A. E. F., in France.
- PIEROY, Edgar (1891), 218 Washington Ave., Elyria, O.
- PIERLE, Henry C. (1911), Engr., The R. K. LeBlond Mch. Tool Co., 2609 Eastern Ave., and 3511 Ritchie Ave., Hyde Park, Cincinnati, O.
- PIERPONT, Robert (1911), 204 Fairfield Ave., Stamford, Conn.
- PIERSEN, David B. (Associate, 1913), V. P., Genl. Mgr., Stephens-Adamson Mfg. Co., and *for mail*, 488 Garfield Ave., Aurora, Ill.
- PIEZ, Charles (1894), Pres., Treas., Link Belt Co., 329 W. 39th St., and 55th St., and South Shore Drive., Chicago, Ill.
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- PIKE, Robert D. (Associate-Member, 1917), Chem. Engr., 74 New Montgomery St., San Francisco, Cal.
- PILCHER, John A. (1895; 1904), M. E., Norfolk & West. Ry. Co., and *for mail*, 436 Walnut Ave., S. W., Roanoke, Va.
- PILKINGTON, Robert G. (1918), Automotive Engr., Dodge Mfg. Co., Mishawaka, Ind., and *for mail*, 1537 East 65th St., Chicago, Ill.
- PILLARS, Harry M. (Junior, 1918), Ch. Draftsman, Wagner Mfg. Co., 165-171 Beale St., and *for mail*, 277 Frederick St., San Francisco, Cal.
- PILLIOD, Charles J. (1918), The Pilliod Co., Swanton, and *for mail*, 1071 Oakwood Ave., Toledo, Ohio.
- PILLSBURY, Charles L. (1912), Treas., The Northwestern Knitting Co., 718 Western Ave., and 2305 Oliver Ave., S. Minneapolis, Minn.
- PINCH, Harry H. (1914), 114 Furby St., Winnipeg, Man., Canada.
- PINGER, George C. (Junior, 1907), Genl. Supt., Concrete Steel Co., 42 Broadway, and 532 West 111th St., New York, N. Y.
- PINGREE, Edwin D. (1905), V. P., Engr., Mfrs. Mutual Fire Ins. Co., 815 Grosvenor Bldg., and 99 Hamilton St., Providence, R. I.
- PINKERTON, Andrew (1892), E. E., Am. Sheet & Tin Plate Co., Rm. 1008, Frick Bldg., and *for mail*, P. O. Box 427, Pittsburgh, and 6605 Virginia Ave., Ben Avon, Pa.
- PINNEY, H. H. (1913), Advisor, The Peters Cartridge Co., First Natnl. Bank Building and The Gibson Hotel, Cincinnati, Ohio.
- PINKNEY, David H. (1915), M. E., Pipe Mill Dept., The Natl. Tube Co., Lorain, and *for mail*, 142 Princeton Ave., Elyria, O.
- *PIRIE, Hugh L. (Associate-Member, 1916), Capt., Insp. of Ordnance Mch., British Army O. D., and *for mail*, 59 Wiltshire Rd., Brixton, London, S. W. G., England.
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- PITT, A. A. (1917), Pres., Pitt Engineering Co., 120 W. Kinzie St., Chicago, and 212 Park Ave., Park Ridge, Ill.
- PITTELKOW, Arthur G. (1918), Pres., Pittelkow Heating & Engrg. Co., 94 West Larned St., Detroit, Mich.
- PITTS, Guy C. (Junior, 1917), Asst. M. E., Federal Shipbuilding Co., 54 Dey St., New York, N. Y., and *for mail*, 84 Snyder St., Orange, N. J.

- PITTSFORD, William A. (Associate-Member, 1917), M.E., Kewanee Boiler Co., Kewanee, and *for mail*, 229 N. Central Ave., Chicago, Ill.
- PLACE, Clyde R. (Associate, 1907), Cons. Engr., Grand Central Terminal, New York, N. Y., and River Edge, N. J.
- PLAGWIT, Eric (1918), Secy. & Treas., The Heine Chimney Co., 123 W. Madison St., and 1020 Hollywood Ave., Chicago, Ill.
- PLANCHE, Etienne (1917), Ch. Engr., Dort Motor Car Co., and 2125 Detroit St., Flint, Mich.
- PLANT, J. W. (1911), Western Mgr., Am. Manganese Steel Co., 433 California St., San Francisco, and 9 Barriohlet Ave., San Mateo, Cal.
- PLANTINGA, Pierre (Junior, 1894), Pres., Gas Mchy. Co., 1900 Euclid Ave., and 1913 E. 73d St., Cleveland, O.
- PLATT, John (1889; 1890), Pres., John Platt & Co., 2 Rector St., New York, N. Y., and Westfield, Union Co., N. J.
- PLATT, Wilbur O. (1902), Pres., Joseph Reid Gas. Eng. Co., and *for mail*, 209 Central Ave., Oil City, Pa.
- PLATTS, C. Arthur (Associate-Member, 1915), Transportation Engr., The Kelly-Springfield Motor Truck Co., 596 Commonwealth Ave., Boston, and *for mail*, 399 Salem St., Medford, Mass.
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- PLETZ, Arthur C. (Associate-Member, 1917), Genl. Mgr., The Morris Mch. Tool Co., Court and Harriet Sts., and *for mail*, 2413 Salutaris Ave., Cincinnati, O.
- PLOCINSKY, Abe J. (Junior, 1917), Mech. Draftsman, Amalgamated Mchy. Corp'n., 72 W. Adams St., and *for mail*, 1505 St. Louis Ave., Chicago, Ill.
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- PLUMB, Harold B. (1913), Secy., Ia. Dairy Separator Co., and *for mail*, 505 Franklin St., Waterloo, Ia.
- PLUNKETT, Charles T. (1909), Vice-President, 1916-1918; Pres., Berkshire Cotton Mfg. Co., and 8 Park St., Adams, Mass.
- POGUE, George D. (1916), Mgr., Oil Eng. Dept., Fulton Iron Wks. Co., and *for mail*, 16 Parkland Pl., St. Louis, Mo.
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- *POIRIER, Austin E. (Junior, 1917), Ensign, U. S. N. R. F., Nav. Exper. Sta., New London, Conn., and *for mail*, 4 Mattson Ave., Worcester, Mass.
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- POLLARD, Wright (Associate-Member, 1918), Supvr., Remington Arms U. M. C. Co., Inc., and *for mail*, Box 387, Ilion, N. Y.
- POLLEDO, Y. (1888; 1916), V. P. & Ch. Engr., "Ferro Carriles del Norte de Cuba," Agnacate 108, Havana, and *for mail*, Manzaneda 16 — Matanzas, Cuba.
- POLLEY, Alvin H. (Associate-Member, 1918), Ch. Draftsman, Brown Eng. & Mch. Co., and *for mail*, 339 Blossom St., Fitchburg, Mass.
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- POPE, Samuel A. (Junior, 1915), Estimator, Wm. A. Pope, 26 N. Jefferson St., and Chicago Athletic Ass'n, 12 S. Mich. Ave., Chicago, Ill.
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- POSGATE, James S. (1912), Eagle Oil Co., Tampico, Mex.
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- POTTER, Wm. Bancroft (1897), Engr. Ry. and Traction Dept., Genl. Elec. Co., and 9 Morris Ave., Schenectady, N. Y.
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- *POUND, Joseph H. (Junior, 1915), 90th Div., O. D., Instr. M. E., Rice Inst., Houston, Tex.
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- PRICE, William T. (1910; 1914; 1915), Pres., Price Eng. Corp'n., The P-R Eng. Co., 20 S. 15th St., Philadelphia, and Villa Nova, Pa.; 2nd V. P., Rathbun-Jones Engrg. Co., Toledo, O.
- PRIEBE, Ernest B. (Junior, 1916), Chief Draftsman, Stoker Dept., Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa., and *for mail*, 18 Seven Pine Ave., N. Cambridge, Mass.
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- *PRYOR, Frederick L. (1900; 1906), Lieut. Comdr., Comdg. Officer, Nav. Div., S. A. T. C., and Govt. Steam Engrg. Sch., Stevens Inst. of Tech., Hoboken, and 421 Fourth Ave., Newark, N. J.
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- READ, George F. (1907; 1910), Asst. Wks. Supt., The Celluloid Co., 290 Ferry St., Newark, and 173 N. Mountain Ave., Montclair, N. J.
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- REARICK, Charles B. (1892; 1901), V. P., Mgr., Covington Mch. Co., Covington, Va.
- REBBEKE, Ernest A. (Associate-Member, 1915), Supervising Inspector, United States Shipping Board, Emergency Fleet Corp'n, 140 N. Broad St., and 1337 Spruce St., Phila., Pa.
- REBER, James B. (Junior, 1918), Supt., Columbian Rope Co., Auburn, N. Y.
- REBER, Louis E. (1891), Dean, Univ. Extension Div., Univ. of Wis., and 630 Frances St., Madison, Wis.
- REBMAN, Charles G. (Junior, 1916), Metropolitan Ry-Products Co., P. O. Box 4, Green Ridge, S. I., N. Y.
- *RECKFORD, John King (Junior, 1916), Lieut. (j. g.), U. S. N. F. C., Mech. Supt., Naval Aircraft Factory, Navy Yard, Philadelphia, Pa., and 220 5th Ave., New York, N. Y.
- RECORD, James L. (1912), Pres., Minneapolis Steel & Mchy. Co., 2854 Minnehaha Ave., and *for mail*, 343 Oak Grove St., Minneapolis, Minn.
- REDDIG, William H. (1916), Genl. Supt., Continental Motors Corp'n, and *for mail*, 577 Chalmers Ave., Detroit, Mich.
- REDFIELD, Edmund R. (Associate-Member, 1918), M.E., Russell, Burdsall & Ward, Bolt & Nut Co., Rock Falls, Ill.
- REDFIELD, Snowden B. (1910), Engr. of Tests, Ingersoll-Rand Co., Phillipsburg, N. J., and *for mail*, 719 Cattell St., Easton, Pa.
- REDLEIN, George L. (Associate-Member, 1913), Spec. Asst. to Genl. Manager, The Miller Rubber Co., Akron, O.
- REDWINE, Lewis S. (1918), Ch. Draftsman, Amer. Smelting & Refining Co., Garfield Smelter, Garfield, and *for mail*, 218 C St., Salt Lake City, Utah.

- REECE, Wade W. (1918), Ch. Engr., Schulze Baking Co., 40 E. Garfield Blvd., Chicago, Ill.
- REED, Charles M. (Junior, 1915), Asst. to Steam Engr., American Sheet & Tin Plate Co., 1410 Frick Bldg., and *for mail*, East Liberty Y. M. C. A., Pittsburgh, Pa.
- REED, Chester T. (1906; 1916), Secy., Reed & Prince Mfg. Co., Duncan Ave., and *for mail*, 354 Salisbury St., Worcester, Mass.
- *REED, E. Howard (1905; 1913), Lieut. Com., U. S. N. R. F., Office of Naval Inspec. of Ord., Munhall, Pa., and *for mail* 5720 Darlington Rd., Pittsburgh, Pa.; Pres., Reed Small Tool Wks., Cherry & Vine Sts., Worcester, Mass., and 1874 Page Ave., E. Cleveland, O.
- REED, E. Winsor (Junior, 1916), Supt., Reed & Prince Mfg. Co., Duncan Ave., and *for mail*, 22 Baker St., Worcester, Mass.
- REED, Fred M. (1906), M.E., Morse Twist Drill & Mch. Co., Pleasant & Wing Sts., and 29 Tremont St., New Bedford, Mass.
- REED, Harry A. (Associate-Member, 1915), Engr., Stone & Webster, 4 Rue Auber, Paris, France, and 410 N. 63rd St., Philadelphia, Pa.
- *REED, James (1913), Comdr., Constr. Corps, U. S. Navy Yard, Mare Island, Cal.
- REED, James K. (Junior, 1916), Factory Supt., S. Keighley Metal Ceiling & Mfg. Co., Follansbee, Brooke Co., West Va.
- *REED, Melbourne O. (Junior, 1918), Ensign, U. S. N. R. F., Reserve Officer's Quarters "A," Rm. 202, U. S. Nav. Academy, Annapolis, Md.; Efficiency Engr., Cooley & Marvin Co., Tremont Bldg., Boston, Mass., and Darien, Wis.
- REED, Richard D. (1915), The H. B. Smith Co., and *for mail*, 71 Broad St., Westfield, Mass.
- REED, Van A., Jr. (1915), Treas., Federal Engrg. Co., 1116 House Bldg., Pittsburgh, Pa.
- REED, William E. (1908), 21 E. 40th St., and *for mail*, 175 W. 72d St., New York, N. Y.
- REED, William S. (Associate-Member, 1916), Cons. Engr., Senior Partner, Reed & Glaser, 1603 Merchants Bank Bldg., and Barton Hotel, Indianapolis, Ind.
- REEDER, Charles L. (1907), Cons. Engr., Park Ave. and Saratoga St., Park Ave. Bldg., Baltimore, and 222 Langwood Rd., Roland Park, Md.
- REEDER, Nathaniel S., Jr. (1902; 1907), V. P., Pressed Steel Car Co., 24 Broad St., and 405 Park Ave., New York, N. Y.
- REEDS, Clarence (Associate-Member, 1915), Cons. Engr., John A. Stevens, 8 Merrimack St., Lowell, and Box 463, Greenfield, Mass.
- REES, Elias (1918), Heat Power Engrg. Expt., 1037 Irving Park Blvd., Chicago, Ill.
- REESE, Laurits A. (1918), Genl. Supt., Am. Piston Ring Co., S. 11th St., Newark, N. J.
- REESE, Oliver P. (1916), Supt. M. P., Pa. Co., 1042 Ohio Bldg., and 2137 Glenwood Ave., Toledo, O.
- REEVE, Charles D. (1891), Pres., Am. Brass Novelty Co., Grand Haven, Mich.
- REEVE, Sidney A. (1901), Cons. Engr., 120 Broadway, New York, and St. Marks Apt., New Brighton, S. I., N. Y.
- REEVES, William H. (1913), Pres., Reeves & Skinner Mchy. Co., 2211 Olive St., and *for mail*, 4156 Cleveland Ave., St. Louis, Mo.
- REGAN, Joseph C. (1912), Trumbull Elec. Mfg. Co., Plainville, and *for mail*, 155 W. Main St., New Britain, Conn.
- REGAN, Ralph H. (Junior, 1911), Production Engr., Sanderson & Porter, 52 William St., New York, N. Y., and *for mail*, P. O. Box 438, Fairmont, W. Va.

- REHN, Otto F. (Junior, 1918), Special Apprentice, Buck-eye Steel Castings Co., and *for mail*, 2354 Summit St., Columbus, O.
- REICHARD, George A. (1916), Sales Engr., The Worthington Co., Inc., 210 Higgins Bldg., and 1115 W. 8th St., Los Angeles, Cal.
- REID, Alexander (1918), Mgr., Holyoke Mch. Co., 81 Thomas St., and *for mail*, 56 Fruit St., Worcester, Mass.
- REID, Edward S. (Junior, 1896), V. P. & Ch. Engr., No. Engrg. Wks., Detroit, Mich.; V. P. & Ch. Engr., No. Crane Wks., Walkerville, Ontario, Canada, and 160 Virginia Park, Detroit, Mich.
- REID, John S., Sr. (1898), Asst. Prof. Mech. and Elementary Mch. Drawing., Armour Inst. of Tech., and *for mail*, 6224 Kimbark Ave., Chicago, Ill.
- REID, Joseph S. (1911), Secy., Treas., Clark Bros. Co., N. 5th & Lincoln Sts., and *for mail*, 202 Laurens St., Olean, N. Y.
- REID, Robert C. (1907), Secy., Harrolds Motor Car Co., 233 W. 54th St., New York, N. Y., and *for mail*, Englewood, N. J.
- REID, Wm. L. (1903), V. P., Lima Loco. Wks., Inc., and 684 W. Market St., Lima, Ohio.
- REIFSNYDER, James D. (Associate, 1913), V. P., Gefes Mch. Co., Inc., 14th and Clinton St., Hoboken, and 19 Liberty Pl., Weehawken, N. J.
- REILLY, Charles J. (Associate, 1912), Supt. Mch., Merrill-Stevens Ship-bldg. Corp'n., and *for mail*, P. O. Box 105, South Jacksonville, Fla.
- *REILLY, Charles James (Associate-Member, 1916), Co. C, 21st Engrs., Am. Exped. Forces, via New York.
- REILLY, Wm. J. (1901), Dist. Sales Mgr., The Babcock & Wilcox Co., 435 17th St., and 1219 Milwaukee St., Denver, Colo.
- REIMER, Arthur A. (1912), Community Director, Air Nitrates Corp'n., Muscle Shoals, Ala., and *for mail*, 45 S. Maple Ave., East Orange, N. J.
- REINICKER, Norman G. (1913; Associate-Member, 1916), Power Supt., Du Pont Engrg. Co., Nashville, Tenn. and 1002 Riverside Drive, Jacksonville, Fla.
- REIST, H. G. (1889; 1893), Manager, 1909-1912; Vice-President, 1913-1915; Designing Engr. Alternating Current Mch., Genl. Elec. Co., and *for mail*, 110 Avon Rd., Schenectady, N. Y.
- *REITZ, Walter R. (Junior, 1914), Capt., Ord. Dept., U. S. A., and *for mail*, 4116 Park Ave., Chicago, Ill.
- *REKERSDRES, Henry (Junior, 1917), Ensign, Submarine Serv., U. S. Navy, and *for mail*, 4013 3rd Ave., Brooklyn, N. Y.
- RENKEN, Harry J. (Junior, 1917), Sales Engr., Fairbanks, Morse & Co., St. Louis, Mo., and Parkersburg, Ia.
- RENKIN, William O. (1918), Ch. Engr., Quigley Furnace Specialties Co., Inc., 26 Cortlandt St., New York, N. Y.
- RENNER, Roland B. (1906; Associate-Member, 1915), M. E., Jeffrey Mfg. Co., 50 Dey St., and *for mail*, 3810 Broadway, New York, N. Y.
- RENNIE, Walter M. (Junior, 1914), Mech. Appraiser, Armour & Co., Union Stock Yards, Chicago, Ill., and *for mail*, 317 S. Division St., Ann Arbor, Mich.
- RENO, Harold P. (Junior, 1907), Sayles' Finishing Plants, and *for mail*, 159 Chapel St., Saylesville, R. I.
- RENO, Jesse W. (1912), Cons. Engr., Otis Elev. Co., 11th Ave. and 26th St., New York, N. Y.
- RENSHAW, Charles E. (Associate, 1915), Pres., Newman Clock Co., 178 Fulton St., New York, N. Y., and 73 Harrison St., East Orange, N. J.
- *RENTON, J. Lewis (Junior, 1916), Capt., Co. "G," 1st Hawaiian Inf., U. S. A., Schofield Barracks, H. T.

- RENTSCHLER, Gordon S. (1911; Associate-Member, 1918), V. P., The Hamilton Fdy. & Mch. Co., Managing Div., & Treas., The Hooven-Owens-Rentschler Co., Hamilton, O.
- RENWICK, Edward B. (1914), Pirsson & Renwick, 19 Park Pl., New York, N. Y., and Short Hills, N. J.
- REPATH, Charles H. (1891), 76 Garrison Ave., Battle Creek, Mich.
- *REPKO, John S., Jr. (Junior, 1915), Warrant Machinist, U. S. N., Queens Rd., Queens, L. I., N. Y.
- REPLOGLE, Mark A. (1898), Mch. Design Dept., The Goodyear Tire & Rubber Co., and *for mail*, 802 Chalker St., Akron, O.
- RESNICK, Maurice (Junior, 1918), Research Work, National Tube Co., and *for mail*, 800 Fountain Ave., Ellwood City, Pa.
- RETTIG, George P. (Associate-Member, 1917), M. M., The Allen Motor Co., Sommer Plant, Bucyrus, O.
- REUNERT, T. (1901), Chairman, Reunert & Lenz, Ltd., P. O. Box 92, Johannesburg, and "Windybrow," Pietersen St., Johannesburg, S. Africa.
- REUSCHLINE, George L. (1914), Supt. of Mfg., Am. Ice Co., 600 Arch St., and *for mail*, 811 Windsor Sq., Philadelphia, Pa.
- *REUTER, F. J. G. (Associate-Member, 1913), 1st Lieut., Engrs. R. C., A. E. F., France.
- REVERE, Francis J. (1917), Asst. Engr., Allis-Chalmers Mfg. Co., West Allis, and *for mail*, 291 Cedar St., Wauwatosa, Wis.
- REYMOND, Martin H. (Junior, 1917), M.E.—Chemical Warfare Service, Am. Univ. Exper. Station, and *for mail*, 3315 Wisconsin Ave., Washington, D. C.
- REYMOND, Paul L. (Junior, 1918), Chief Engr. of Research, Federal Sign System (Elec.), 640 W. Lake St., and 4114 Irving Park Blvd., Chicago, Ill.
- REYNOLDS, Frank W. (1912), Member of Firm, Lockwood, Greene & Co., 60 Federal St., Boston, and 13 Everett Ave., Winchester, Mass.
- REYNOLDS, G. Bergen (Associate-Member, 1917), Plant Engr., Canadian Kodak Co., Ltd., West Toronto, and 1253 King St., E. Toronto, Ont., Canada.
- REYNOLDS, George D. (1917), Wks. Mgr., Quickwork Co., and 118 N. Front St., St. Marys, O.
- REYNOLDS, Herbert B. (Junior, 1912), Mech. Research Engr., Motive Power Dept., Interborough Rapid Transit Co., and *for mail*, 600 W. 59th St., New York, N. Y.
- REYNOLDS, Herman W. (1915), Prof. & Chief, Dept. Mech. & Elec. Engrg., Univ. of the Phillippines, Manila, P. I.
- REYNOLDS, J. J. (Junior, 1915), Supt. of Prod., Frankford Arsenal, and *for mail*, 5227 N. 15th St., Philadelphia, Pa.
- REYNOLDS, Lloyd C. (Junior, 1917), Asst. Steam Engr., Worth Bros. Co., Coatesville, and *for mail*, Atglen, Pa.
- REYNOLDS, Philip E. (Junior, 1911), V. P., Croll-Reynolds Co., Inc., 95 Liberty St., New York, N. Y., and *for mail*, Manasquan, N. J.
- *RHAME, Frank P. (Junior, 1916), Capt., Ord., U. S. A., Asst. Inspc. Mgr., Cincinnati Ord. Inspec. Dist., Cincinnati, O.
- RHEUME, Herman C. (Associate-Member, 1918), Plant Engr., Mill No. 2, Stamford Rolling Mills Co., and *for mail*, 181 Grove St., Stamford, Conn.
- RHOADS, George E. (Junior, 1906), Asst. Foreman, Loco. Test Plant, Pa. R. R., and *for mail*, 1320 20th Ave., Altoona, Pa.
- RHOADS, J. Edgar (1916), Mem. of Firm, J. E. Rhoads & Sons, Box 905, and 2211 Shallcross Ave., Wilmington, Del.
- RHODES, George H. (Junior, 1913), Industrial Engr., Bishop & Co., 7th and Alameda Sts., and 1237 S. Alvarado, Los Angeles, Cal.

- RHYS, C. O. (1916), Chem. Engr., Lewis Recovery Corp'n., 305 Permanent Title Bldg., Akron, Ohio.
- RIBEIRO, Jose de Assis (Junior, 1918), Calculator, American Locomotive Co., and *for mail*, P. O. Box No. 79, Schenectady, N. Y.
- RICE, Alva C. (1890), 5 Oberlin St., Worcester, Mass.
- RICE, Arthur L. (1895; 1902), Managing Editor, Power Plant Engrg., 537 S. Dearborn St., Chicago, Ill.
- RICE, Calvin W. (1900), Cons. Engr., Secretary, Am. Soc. M. E., 29 W. 39th St., New York, N. Y., and 241 N. Mountain Ave., Upper Montclair, N. J.
- RICE, Charles D. (1907), Mgr. of Factory, Underwood Typewriter Co., 581 Capitol Ave., Hartford, Conn.
- RICE, Cyrus W. (1915), Cons. Engr., Chemo-Mech. Water Improvement Co., and *for mail*, 6724 Woodland Ave., Philadelphia, Pa.
- RICE, George B. (1916), Engrg. Asst. to Pres., Merchant Shipbldg. Corp'n., Harriman P. O., Bristol, Pa.
- RICE, George W. (1906; 1912), 616 N. Aurora St., Ithaca, N. Y.
- RICE, Myron W. (Junior, 1911), Columbia Chem. Co., Barberton, O.
- RICE, Richard H. (1890), Engr. Turbine Dept. Engine Wks., 1904-1907; Genl. Elec. Co., and 126 Ocean St., West Lynn, Mass.
- RICH, Edward P. (1911), V. P., Secy., Neiler, Rich & Co., 1409 Manhattan Bldg., and 4541 Woodlawn Ave., Chicago, Ill.
- RICHARDS, Arthur (Associate-Member, 1917), Cons. Engr., Richards Engrg. Co., 37½ E. Long St., Columbus, O.
- RICHARDS, Charles B. (1880), Manager, 1880-1882; Vice-President, 1888-1890; Prof. Emeritus M. E., Yale Univ., and *for mail*, 227 Edwards St., New Haven, Conn.
- RICHARDS, Chas. D. (Junior, 1904), Asst. Power Engr., Solvay Process Co., Box 557, and *for mail*, 266 Meadowbrook Ave., Detroit, Mich.
- RICHARDS, Charles R. (1890), Dir., 3rd Ave. & 6th St., and 31 W. 10th St., New York, N. Y.
- RICHARDS, Chas. Russ (1892; 1901), Dean College of Engrg., Dir. Engrg. Exper. Sta., Univ. of Ill., and 904 W. Nevada St., Urbana, Ill.
- RICHARDS, Forest A. (Associate-Member, 1918), Asst. Engr. for Edward Hutchens, 703 Wisconsin St., Eau Claire, Wis.
- RICHARDS, Francis H. (1880), Life Member; Prop., Engr. and Pat. Offices, 9 Murray St., New York, N. Y., and *for mail*, 112 Edwards St., Hartford, Conn.
- RICHARDS, Frank (1891), Managing Editor, Compressed Air Magazine, and Ingersoll-Rand Co., 11 Broadway, and *for mail*, 229 W. 135th St., New York, N. Y.
- RICHARDS, George M. (1912), Supt., Yarnall-Waring Co., and 7813 Norwood St., Chestnut Hill, Philadelphia, Pa.
- RICHARDSON, Alfred S. (Associate, 1913), Supt. of Erection, Henry R. Kent & Co., 141 Broadway, New York, N. Y., and *for mail*, 161 School St., Lowell, Mass.
- RICHARDSON, Alton A. (1913), Engr., Natl. Electrolytic Co., Canal Basin, Niagara Falls, and 958 James St., Niagara Falls, N. Y.
- RICHARDSON, Ammi C. (Junior, 1913), Engr., Office of Genl. Engr., Am. Thread Co., 260 W. Broadway, and *for mail*, 153 W. 46th St., New York, N. Y.
- RICHARDSON, Charles F. (1915), Ch. M.E., Taft-Pierce Mfg. Co., Mechanics Ave., 169 Carrington Ave., Woonsocket, R. I.
- RICHARDSON, Charles G. (1911), Sales Engr., Builders Iron Fdy., 9 Codding St., and *for mail*, 49 Belair Ave., Providence, R. I.
- RICHARDSON, Clifford T. (Associate-Member, 1914), Asst. Mgr., Eastern Office, Constr. Engrg. Dept., Swift & Co., 60 N. Market St., Boston, and *for mail*, 48 Boston St., Somerville, Mass.

- *RICHARDSON, Edward B. (1910), Maj., 101st Reg. Field Artillery, Amer. Exped. Forces, France, and *for mail*, 7 Chatham St., Brookline, Mass.
- RICHARDSON, Francis J. (Associate-Member, 1917), Htg. and Vent. Inspr., Bd. of Education, 500 Park Ave., New York, and *for mail*, 408 3d St., Brooklyn, N. Y.
- RICHARDSON, George E. (Associate, 1910), Lancaster, Mass.
- RICHARDSON, George P. (1901; 1917), Asst. Engr., Isbell Porter Co., 46 Bridge St., Newark, and 85 Cedar St., Wyoming, N. J.
- RICHARDSON, Henry (Associate, 1918), Pres. of Richardson Scale Co., and *for mail*, 236 Van Houten Ave., Passaic, N. J.
- RICHARDSON, Joseph W. (Associate, 1917), Pres., D. M. Nichols Iron Wks., President's Office, 11 Broadway, New York, and 83 Lakeside Drive, Rockville Center, L. I., N. Y.
- RICHARDSON, Levi S. (1909), M.E., Westcott & Mapes, Inc., 207 Orange St., and *for mail*, 1584 Chapel St., New Haven, Conn.
- RICHARDSON, Maurice F. (1914), Genl. Mgr., Easton Car Constr. Co., 22 Center Sq., and *for mail*, Packer & Line Sts., Easton, Pa.
- RICHARDSON, Thomas (1907), The M. W. Kellogg Co., West St. Bldg., New York, N. Y., and *for mail*, 9 Concord St., South Norwalk, Conn.
- RICHARDSON, Thomas B. (Associate-Member, 1918), Dist. Turbine Inspe., Genl. Elec. Co., Third Natl. Bank Bldg., Atlanta, Ga.
- RICHARDSON, Wm., Jr. (1918), Constr. Engr., Tennessee Coal, Iron & Railroad Co., 1737 Jefferson Ave., Ensley, Ala.
- RICHMOND, Harold A. (Junior, 1898), Treas., Genl. Abrasive Co., Inc., Niagara Falls, N. Y.
- *RICHMOND, Julian (1903; Associate, 1908), Lieut., C. E., U. S. N. R. F., and *for mail*, 32 rue Fontaine, St. Georges, Paris, France, also Dunwoodie Heights, Yonkers, N. Y.
- RICHMOND, Knight C. (1891; 1908), Mill Engr., 10 Weybasset St., and 41 Cooke St., Providence, R. I.
- RICHON, J. L. (Junior, 1915), U. S. Shipping Bd., Emergency Fleet Corp'n., and *for mail*, 7132 Cresheim Rd., Philadelphia, Pa.
- RICHTER, Ernst (1890), M.E., The G. A. Gray Co., Gest and Depot Sts., Cincinnati, and *for mail*, Lafayette Circle, Cincinnati, O.
- RICKCORD, Reginald V. (1913; Associate-Member, 1916), Dist. Rep., Education and Training Sec., Emergency Fleet Corp'n., 115 Broadway, New York, N. Y.
- RICKER, Wm. Wood (1906), Treas., Guarantee Constr. Co., 140 Cedar St., and 65 Park Ave., New York, N. Y.
- RICKETSON, Wm. E. (1916), Chief of Equip. Div., Valuation Dept., New York Central Lines, Rm. 3762 Grand Central Terminal, New York, and 8 Pratt St., New Rochelle, N. Y.
- RICKETTS, Edwin B. (1908; 1916), Asst. to Ch. Operating Engr., The N. Y. Edison Co., 130 E. 15th St., and 1134 Findlay Ave., New York, N. Y.
- RICKETTS, Palmer C. (1892), Pres., Prof. Mech., Rensselaer Poly. Inst., Troy, N. Y.
- RICKEY, Walter J. (1903), Managing Dir., The Singer Mfg. Co., Ltd., Singer, Clydebank, Scotland.
- RIDDELL, A. H. (1901), Partner, Machold & Riddell, 1020 Stephen Girard Bldg., Philadelphia, Pa., and 245 Mountwell Ave., Haddonfield, N. J.
- RIDDLE, George G. (Junior, 1918), Engrg. Dept., Ingersoll-Rand Co., Painted Post, N. Y.
- RIDDLE, Howard S. (1905), Member, The Ohio Bd. of Administration, Oak and 9th Sts., and *for mail*, 632 Linwood Ave., Columbus, O.

- *RIDER, David S. (Junior, 1917), Co. E. 10th Reg. Engrs., Forestry Div., France, and *for mail*, 35 Fairfield Ave., South Norwalk, Conn.
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- RIEDL, Albert F. (Associate-Member, 1916), Factory Mgr., Fulton Bag & Cotton Mills, and *for mail*, 864 Nostrand Ave., Brooklyn, N. Y.
- RIEGE, Rudolph (1911), Gilbert & Barker Mfg. Co., Springfield, Mass.
- RIENKS, George W. (1918), Asst. Ch. Engr., Gt. West. Sugar Co., 603 Sugar Bldg., Denver, Colo.
- RIESNER, Michael (1914), Ch. Engr., Laidlaw-Dunn-Gordon Co., and *for mail*, 374 Terrace Ave., Cincinnati, O.
- RIEWERTS, Max (Associate-Member, 1917), M.E., Botany Worsted Mills, Dayton Ave., and *for mail*, 121 Dayton Ave., Passaic, N. J.
- RIGDON, Carl (1907; 1916), 35 Bowen St., Newton Centre, Mass.
- RIGGS, F. Stanley (Junior, 1913), Planning Dept., Goodyear Tire & Rubber Co., and *for mail*, 35 S. Union St., Akron, O.
- *RIGGS, George (Junior, 1916), Lieut., Co. H., 112 Inf., A. E. F., and care of L. Riggs, Jr., 25 Broad St., New York, N. Y.
- RIGGS, John D. (Junior, 1892), Link-Belt Co., and *for mail*, 741 N. Sheffield Ave., Indianapolis, Ind.
- RIKER, Andrew L. (1897; 1899), Manager, 1906-1909; V. P., Ch. Engr., Locomobile Co. of Am., Bridgeport, and *for mail*, Fairfield, Conn.
- RIKER, Fredrick J. (Junior, 1916), Asst. Ch. Engr., Lab. of Thomas A. Edison, Orange, N. J.
- *RILEY, Arthur B. (Associate-Member, 1918), 2nd Lieut., Utilities Dept., Quartermaster Corp., U. S. Army, Camp Merritt, N. J.
- RILEY, Champlain L. (1917), Cons. Engr., 101 Park Ave., New York, N. Y.
- *RILEY, Joseph C. (1909), Maj., Tech. Div. Air Service, S. C., Am. Exped. Forces, France, and *for mail*, 36 Robinwood Ave., Jamaica Plain, Mass.
- RILEY, Lewis A. 2d, (1914), Mech. and Gas Engr., Rm. 607, 103 Park Ave., New York, and 5 Myrtle Ave., White Plains, N. Y.
- RILEY, R. Sanford (1906), Field Officer, U. S. Shipping Board, Emergency Fleet Corp'n., Philadelphia, Pa.; Pres., Sanford Riley Stoker Co., 25 Foster St., and 228 West St., Worcester, Mass.
- RINGE, William H. (Associate-Member, 1918), Pacific Coast Mgr., Shepard Elec. Crane & Hoist Co., 16 California St., San Francisco, Cal.
- RINK, George W. (1907), M.E., U. S. Railroad Adm., Central R. R. of N. J., Jersey City, and *for mail*, 106 Cranford Ave., Cranford, N. J.
- RIPLEY, Charles M. (Associate-Member, 1917), Genl. Elec. Co., and *for mail*, 1414 Union St., Schenectady, N. Y.
- *RIPLEY, William H. (Junior, 1917), 1st Lieut., O. D., U. S. R.; M. E., Sales Agt., 5 Beekman St., New York, and 541 Lincoln Pl., Brooklyn, N. Y.
- RIPPEY, S. Howard (1904; 1905), Cons. Engr., 7012 Greene St., Germantown, Philadelphia, Pa.
- RIPPLE, Paul W. (Associate-Member, 1914), 271 Sherman Ave., New Haven, Conn.
- RIPSCH, Charles W. (1908; 1916), Ch. Engr., Joyce Cridland Co., Linden Ave., and 113 Hawthorn St., Dayton, O.
- RISTEEN, Allan D. (1912), Dir. Tech. Research and Safety Publication Wk., Travelers Ins. Co. and Travelers Indemnity Co., Hartford, Conn.
- *RITTENOUR, Frederick H. (1913), Capt., E. O. R. C., U. S. A., M. E., Am. Intl Shipbldg Co., Hog Island, Pa., and *for mail*, Hotel Bellevue, Boston, Mass.

- *RITTER, Elmer R. (Junior, 1912), 1st Lieut., Ord. R. C., Carriage Sec., Production Div., 7th & B Sts., N. W., and *for mail*, Apt. 409, Copley Ct., 1514 17th St., N. W., Washington, D. C.
- RITTER, Henry (1900), Supt., The Lukenheimer Co., Box 876, and 4208 Glenway Ave., Price Hill, Cincinnati, O.
- *RITTER, Ralph B. (Junior, 1916), 2nd Lieut., Field Art., N. A., and *for mail*, 730 S. Karlov Ave., Chicago, Ill.
- RIVETT, Edward (1904), 74 Elmhurst Road, Newton, Mass.
- RIX, Edward A. (1896), Pres., Rix Compressed Air & Drill Co., 505 Howard St., San Francisco, and 5319 Broadway Terrace, Oakland, Cal.
- RIX, Milton H. (1917), Genl. Supt., Sheffield Car Co., and *for mail*, 306 North St., Three Rivers, Mich.
- RIXMANN, Christie (Junior, 1918), Am. Intl. Shipbldg. Corp'n., U. S. Shipping Bd., Emergency Fleet Corp'n., Hog Island, Pa., and *for mail*, 156 W. 106th St., New York, N. Y.
- ROANE, R. Royal (1916), Engr., Vulcan Iron Wks., Morris St., Jersey City, N. J., and 35 Fort Washington Ave., New York, N. Y.
- ROBB, Aubrey G. (1902), Ch. Engr., Robb Engrg. Wks., Ltd., and 161 Upper Victoria St., Amherst, N. S., Canada.
- ROBB, Charles A. (Associate-Member, 1914), Mech. Asst. to U. S. Representative, Imperial Munitions Board (Canada), Munsey Bldg., and *for mail*, 927 Rhode Island Ave., N. W., Washington, D. C.
- ROBB, D. W. (1888), V. P. & Genl. Mgr., Robb Engrg. Wks., Ltd., and 98 Church St., Amherst, N. S., Canada.
- ROBBINS, C. C. (Associate, 1904), Scy., Genl. Mgr., The Cleveland Crane & Engrg. Co., Wickliffe, O.
- ROBBINS, Elmer J. (Associate-Member, 1918), Engrg. Dept., Dodge Mfg. Co., and *for mail*, No. 203 Indiana Ave., Mishawaka, Ind.
- ROBBINS, Gerald G. (1918), Ch. Draftsman, Shepard Elec. Crane & Hoist Co., Montour Falls, N. Y.
- ROBBINS, Harris A. (1915), Supt. of Power, Brooklyn R. T. System, 85 Clinton St., and 1960 82d St., Brooklyn, N. Y.
- ROBBINS, John L. (1908; Associate-Member, 1915), M.E., Robbins, Gamwell & Co., and 338 S. Appleton Ave., Pittsfield, Mass.
- ROBBINS, Newton A. (1915), Ch. Engr., M. M., Orono Pulp & Paper Co., Orono, Me.
- ROBBINS, Percy A. (Associate, 1901), Managing Dir., Hollinger Consld. Gold Mines, Ltd., Timmins, Ont., Canada.
- ROBBINS, Walter C. (1917; Associate-Member, 1918), Prod. Engr., Curtiss Aeroplane & Motor Corp'n., 2000 Elmwood Ave., and *for mail*, 154 Bedford Ave., Buffalo, N. Y.
- *ROBECHKE, Bertram (Junior, 1917), Corp., Field Art. (Heavy), Battery "F," 72nd Art., C. A. C., A. E. F., France.
- ROBERT, Lawrence W., Jr. (Associate-Member, 1914), Robert & Co., 821 Candler Bldg., Atlanta, and Main St., College Park, Ga.
- ROBERTS, Alvin Lewis (1909), Designing Engr., Bethlehem Steel Co., and *for mail*, 17 N. Center St., Bethlehem, Pa.
- ROBERTS, Arthur L. (1914), Plant Engr., Atlas Crucible Steel Co., Dunkirk, N. Y.
- ROBERTS, Arthur R. (1917), Assoc. Prof. M. E., Engineering Bldg., McGill Univ., Montreal, Que., Canada.
- *ROBERTS, Chapin (Junior, 1914), Ensign, U. S. N. R. F., U. S. S., *Hawk*, Chicago, and *for mail*, 321 N. Euclid Ave., Oak Park, Ill.
- ROBERTS, E. P. (1889), Efficiency Engr., The Philadelphia Rubber Wks. Co., and *for mail*, Atlas St., Akron, O.

- ROBERTS, Earl H. (Junior, 1918), Ch. Mech. Engr., John Obenberger Forge Co., West Allis, and *for mail*, 3209 Wells St., Milwaukee, Wis.
- ROBERTS, Edward F. (1913), Factory Mgr., Packard Motor Car Co., and 742 Field Ave., Detroit, Mich.
- ROBERTS, Eugene D. (1914), V. P., The Puget Sound Iron & Steel Wks., Canal St., and 220 S. Tacoma Ave., Tacoma, Wash.
- ROBERTS, George J. (1888), First V. P., Pub. Serv. Corp. of N. J., Pub. Serv. Corp. Bldg., Newark, N. J.
- ROBERTS, LeRoy C. (1914), Engr., The Barrett Co., 17 Battery Pl., New York, N. Y., and *for mail*, 13 Oakland Rd., Maplewood, N. J.
- ROBERTS, Montague H. (1912; 1917), Ch. Engr., Air Reduction Co., 120 Broadway, New York, N. Y., and *for mail*, 2204 Hudson Co. Blvd., Cor. Ege Ave., Jersey City, N. J.
- ROBERTS, Mortimer J. (Associate, 1917), Act. Sr. Inspc., Motors Div., Q. M. C., P. O. Box No. 49, Muskegon, Mich., and 253 Bergen Ave., Jersey City, N. J.
- ROBERTS, Odin (1916), Lawyer, Roberts, Roberts & Cushman, 95 Milk St., and 140 Beacon St., Boston, Mass.
- ROBERTS, Percival, Jr. (1888), Vice-President, 1893-1895; 717 Commercial Trust Bldg., Philadelphia, Pa.
- ROBERTS, Richard F. (Associate-Member, 1915), Engr., Chile Exploration Co., 120 Broadway, New York, N. Y.
- ROBERTS, Theodore C. (1916), Asst. Genl. Mgr., Central Dye & Chemical Co., Plum Point Lane, Newark, and *for mail*, Marlborough Hotel, East Orange, N. J.
- ROBERTS, Thomas H. (1918), Genl. Supt., Stern Fdy. & Mchv. Co., 1620 Annunciation St., and *for mail*, 153 N. Broad St., New Orleans, La.
- ROBERTS, Thomas M. (1912), Assoc. E. E., U. S. Bureau of Standards, Div. "I," Sec. 8, and *for mail*, 417 Columbia Rd., N. W., Washington, D. C.
- ROBERTS, Wm. E. (1918), M.E., Gas & Coke Oven Corp'n. of Am., 1801 Woolworth Bldg., and *for mail*, 424 W. 20th St., New York, N. Y.
- ROBERTS, William E. (Associate-Member, 1918), Lieut., U. S. N. R. F., Asst. Genl. Supt., Naval Aircraft Factory, Navy Yard, and *for mail*, 3542-81 19th St., Philadelphia, Pa.
- ROBERTSON, Charles J. (1913), Mason Machine Wks., and *for mail*, 114 Winthrop St., Taunton, Mass.
- ROBERTSON, Donald M. (Associate-Member, 1917), Ch. Draftsman, The Holt Mfg. Co., and *for mail*, 1321 Roosevelt Ave., Stockton, Cal.
- ROBERTSON, Elroy C. (Junior, 1915), Industrial Engr., Winchester Repeating Arms Co., and *for mail*, 367 Elm St., New Haven, Conn.
- ROBERTSON, John C., Jr. (Junior, 1913), Asst. Engr., Bishop Gutta-Percha Co., 420-430 E. 25th St., New York, N. Y., and *for mail*, 36 S. Maple Ave., East Orange, N. J.
- ROBERTSON, Lawrence B. (1915), Supt. Coke Dept., Wisconsin Steel Wks., South Chicago, Ill.
- ROBERTSON, Ralph N. (1913), Ch. Engr., Am. Smelting & Refining Co., and 4118 Farnam St., Omaha, Neb.
- ROBERTSON, Reuben B. (Associate, 1914), Genl. Mgr., The Champion Fibre Co., Canton, N. C.
- ROBERTSON, Richard A. (1888), Ret., 705 Turk's Head Bldg., and *for mail*, P. O. Box 866, Providence, R. I.
- ROBERTSON, Walter M. (Associate, 1918), Spec. Rep., Pressed Steel Car Co., Farmers Bank Bldg., and *for mail*, 308 Negley Ave., Pittsburgh, Pa.
- ROBESON, Anthony M. (1895), "Beauvoir" St. Aubin, Jersey, Channel Islands.

- ROBINSON, A. W. (1883), Manager, 1896-1899; Life Member; Cons. M. E., 14 Phillips Sq., Montreal, Que., Canada.
- ROBINSON, Arthur D. (1918), Gaynor-Robinson Eng. Co., and *for mail*, Logan, W. Va.
- ROBINSON, Arthur L. (1908), Cons. Engr., The Barber Asphalt Paving Co., 1900 Land Title Bldg., Philadelphia, and 222 Windemere Ave., Wayne, Pa.
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- ROBINSON, Barton J. (Associate, 1917), Prop., Mgr., B. J. Robinson's Mch. Wks., and *for mail*, Clay and Mulberry Sts., Vicksburg, Miss.
- ROBINSON, C. Snelling (1900), Second V. P., Youngstown Sheet & Tube Co., and *for mail*, Old Furnace Rd., Youngstown, O.
- ROBINSON, Charles A. (1917), Mech. Supt., Merrimack Mfg. Co., Dutton St., and *for mail*, 31 Parkview Ave., Lowell, Mass.
- ROBINSON, Charles Griffith (1913), Pres., Engr., The Ohio Mold & Fdy. Co., Bond Hill, Cincinnati, and *for mail*, 5925 Belmont Ave., College Hill, Cincinnati, O.
- ROBINSON, Edward (1891; 1902), Prof. M. E., Univ. of Vt., and *for mail*, 25 Colchester Ave., Burlington, Vt.
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- ROBINSON, Edwin W. (1916), Pres., Genl. Mgr., Punxsutawney Fdy. & Mch. Co., P. O. Box 383, and 400 W. Mahoning St., Punxsutawney, Pa.
- ROBINSON, Frank H. (1903), Treas., Walter H. Foster Co., Rm. 1479, 50 Church St., New York, N. Y.
- ROBINSON, Garland P. (1902; 1909), Asst. Engr., Am. Loco. Co., 11 N. Wendell Ave., Schenectady, N. Y.
- ROBINSON, George A. (Associate-Member, 1918), Master Mechanic, Aetna Explosive Co., Mt. Union, and *for mail*, 503 Washington St., Huntingdon, Pa.
- ROBINSON, J. Albert M. (Junior, 1912), Asst. Mgr., The Am. Well Wks., 453 First Natl. Bank Bldg., and *for mail*, 6526 Woodlawn Ave., Chicago, Ill.
- ROBINSON, James R. (1905), Pres., Robinson Ventilating Co., 8044-8045 Jenkins Arcade Bldg., Pittsburgh, and *for mail*, Mt. Lebanon, Allegheny Co., Pa.
- ROBINSON, Kenneth C. (Junior, 1914), Instr. M. E., Mass. Inst. of Tech., Cambridge, and 52 Lorraine St., West Roxbury, Mass.
- ROBINSON, Kinsey (Junior, 1917), Am. Can Co., Hamilton, O., and *for mail*, 400 Union St., Joliet, Ill.
- ROBINSON, Louis G. (1905; 1913), Louis G. Robinson Lab., 31 E. 4th St., Cincinnati, O., and 4th and Park Ave., Newport, Ky.
- ROBINSON, Max B. (Junior, 1916), Prof. M. E., Univ. of Akron, and 680 Elma St., Akron, O.
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- ROBINSON, Rhea H. (1912; 1913), Prod. Mgr., Land Products Co., and *for mail*, 2-32nd St., Whitestone, L. I., N. Y.
- ROBINSON, T. Russell (1917), 113 Montague St., Brooklyn, N. Y.
- ROBINSON, Walter P. (Associate-Member, 1913), Sales Engr., 923 Traders Bank Bldg., and 2 Neville Park Blvd., Toronto, Ont., Canada.
- ROBINSON, William (Associate-Member, 1915), M. M., Eberhard Faber Pencil Co., 37 Greenpoint Ave., and 158 Calyer St., Brooklyn, N. Y.

- ROBINSON, William A. (1918), Secy. & Genl. Mgr., Charter Gas Eng. Co., Sterling, Ill.
- ROBLIN, Wilnot H., (Associate-Member, 1918), Inspc. Ord., U. S. O. D., Watervliet Arsenal, and *for mail*, 952 Broadway, Watervliet, N. Y.
- ROCKWELL, Samuel F. (1912), Mfg. Supt., Davis & Furber Mch. Co., North Andover, Mass.
- *ROCKWELL, Sherburne B. (Junior, 1915), Ch. Petty Officer, U. S. N., on board U. S. S. *Noma*; Supt., Internatl. Silver Co., P. O. Box 993, and 30 First Ave., Waterbury, Conn.
- ROCKWELL, Willard F. (Junior, 1913), Vice Pres., The Torbensen Axle Co., 1115 E. 152nd St., and 16508 Euclid Ave., Cleveland, O.
- ROCKWOOD, Geo. I. (1891), Manager, 1903-1906; Life Member; Pres. and Treas., Rockwood Sprinkler Co., 38 Harlow St., and 340 May St., Worcester, Mass.
- ROCKWOOD, George O. (1911), Pres., The Rockwood Mfg. Co., P. O. Box 636, Indianapolis, Ind.
- RODGERS, Horace P. (1912; 1918), Dist. Mgr., Steam Equip. Mfg. Co., Leader-News Bldg., and *for mail*, 2009 E. 71st St., Cleveland, O.
- RODNEY, Keith R. (Associate-Member, 1917), Metall., Bullard Mch. Tool Co., Bridgeport, and 2103 Main St., Stratford, Conn.
- *ROE, Jos. W. (1902), Maj., A. S. A. P., War Dept., Bureau of Aircraft Prod., 502 Air Service Bldg., Dayton, O.; Asst. Prof., Mech. Engrs., S. S. S., Yale Univ., 111 Winchester Hall, and 162 Prospect St., New Haven, Conn.
- ROE, Walter E. (1902), Ch. Engr., Dodge Mfg. Co., and 620 Lincoln Way, E. Mishawaka, Ind.
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- ROELKER, H. B. (1889), M. E., 41 Maiden Lane, and 43 W. 97th St., New York, N. Y.
- *ROESEN, Robert H. (Junior, 1915), 1st Lieut., Engrs., U. S. A., Office of the Director Genl. Military Rys., Care of Geo. Whitcomb Co., Rochelle, Ind., and *for mail*, 558 Decatur St., Brooklyn, N. Y.
- RÜESLER, Dr. Rudolf (Junior, 1910), Pres., Concordia, Vega, Credit Petrolifer, Roumanian Enterprises of Deutsche Erdoel Actiengesellschaft, 10 Strada Lipsani, Bukarest, Roumania.
- ROGER, John P. (1914), Plant Engr., Babcock & Wilcox Co., and 212 W. Park Ave., Barberton, O.
- ROGERS, A. A. (1916), Portales, New Mexico.
- ROGERS, Charles E. (Associate, 1918), Morley House, 26 Holborn Viaduct, London E. C. 1, England.
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- ROGERS, Charles O. (1916), Sales Engr., The Charles J. Jagar Co., 15 Customs House St., Boston, and *for mail*, 31 Clive St., Atlantic, Mass.
- ROGERS, Clarence M. (1917), C. E., 41 Fairview Ave., Daytona, Fla.
- ROGERS, Edwin A. (Junior, 1911), Power Plant Engr., New Cornelia Copper Co., and *for mail*, Ajo, Ariz.
- ROGERS, Frank H. (1917), Hyd. Engr. (I. P. Morris Dept.), Wm. Cramp & Sons Ship & Eng. Bldg. Co., Richmond & Norris Sts., Philadelphia, and 7428 Devon St., Mt. Airy, Philadelphia, Pa.
- ROGERS, Fred E. (1907; 1918), Prop., Rogers Mch. Co., Partner Service Eng. Co., 25 Church St., New York, N. Y.; M.E., Davis Bournonville Co., Jersey City, N. J.
- ROGERS, Frederick E., Jr. (Junior, 1916), Sales Engr., Fafnir Bearing Co., New Britain, Conn.

- *ROGERS, John D. (Junior, 1916), Capt., U. S. Engrs., Office of Director Genl. Military Rys., and *for mail*, 1332 I St., N. W., Washington, D. C., also Lexington, Va.
- *ROGERS, John I. (Junior, 1910), 1st Lieut. (s. g.), U. S. N.; Treas., Engr., Eagan-Rogers Steel & Iron Co., Crum Lynne, Pa.
- ROGERS, J. Frank (1918), Engr.-in-charge, Gas Producer & Furnace Dept., The Wellman-Seaver-Morgan Co., Cleveland, and *for mail*, 3312 Redwood Ave., Cleveland Heights, O.
- ROGERS, Lewis C. (1912), Power Engr., The Solvay Process Co., and 439 Vinewood Ave., Detroit, Mich.
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- *ROGERS, Theo. B. (Junior, 1916), 2nd Lieut., Engrs., U. S. A., 114th Regt., A. E. F., France, and *for mail*, Hemingway, S. C.
- ROGERS, Ulysses G. (Associate-Member, 1916), Designing Can Mach., Libby, McNeill & Libby, Union Stock Yds., and 4457 W. Monroe St., Chicago, Ill.
- ROGERS, Winfield S. (1888), Pres., Bantam Anti-Friction Co., Bantam, Conn.
- ROHMER, Gabriel E. (Associate-Member, 1915), Engr. Metallurgist, Natl. Lead Co., 111 Broadway, New York, N. Y.
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- ROLLINS, Henry M. (1913), Mgr., Gulfport Creosoting Co., Gulfport, Miss.
- ROLLINS, Leonard E. (1915; Associate-Member, 1918), M.E., Ch. Engrs. Office, Swift & Co., U. S. Yards, and *for mail*, 1003 W. 77th St., Chicago, Ill.
- ROLLINS, Lewis M. (Associate-Member, 1916), Genl. Supt., Armour Mch. Co., Union Stock Yards, and *for mail*, 65 E. 49th St., Chicago, Ill.
- ROLLINS, William B. (1911), Cons. Engr., W. B. Rollins & Co., 208-210 Ry. Exch. Bldg., and 2425 Park Ave., Kansas City, Mo.
- ROLLMAN, Bruce B. (Associate-Member, 1917), Ch. Inspc., Aircraft Div., The Union Switch & Signal Co., Swissvale, and *for mail*, 454 Swissvale St., Wilkinsburg, Pa.
- ROLLOW, J. Grady (Associate-Member, 1915), Engrg. Dept., E. I. du Pont de Nemours & Co., Du Pont Bldg., Wilmington, Del., and 6427 W. Chester Rd., Millbourne, Pa.
- ROLPH, George M. (1917), Genl. Mgr., California & Hawaiian Sugar Refining Co., 230 California St., San Francisco, Cal.
- ROMAN, Henry (1918; Associate-Member, 1918), Charge of designing of Liquid Air Plants, Air Nitrates Corp'n., 469 Fifth Ave., and *for mail*, 157 W. 123rd St., New York, N. Y.
- ROMANN, J. H. (1916), in charge Export Dept., Joseph T. Ryerson & Son, 30 Church St., New York, N. Y.
- ROMER, Albert J. (Associate-Member, 1917), Sales Engr., The New Departure Mfg. Co., Bristol, Conn., and Cons. Engr., Kershaw Corp'n, Fireman's Bldg., and *for mail*, 77 Weequahic Ave., Newark, N. J.
- ROMERO, Cirilo (Junior, 1918), Instr. in Marine Steam Engrg. at U. S. Navy Training Sch., Univ. of Minn., 312 Walnut St. S. E., Minneapolis, Minn.

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- ROOS, Delmar G. (Associate-Member, 1913), Asst. Ch. Engr., Locomobile Co. of Amer., and *for mail*, 2857 Main St., Bridgeport, Conn.
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- *ROSE, David (Junior, 1915), Prvt., Co. C, 2nd Prov. Ord. Bureau, A. E. F., France.
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- ROSENOW, Henry F. (1917), Mgr. Heating Dept., Skinner Bros. Mfg. Co., 10th and Tyler Sts., and *for mail*, 3910 Castleman Ave., St. Louis, Mo.
- *ROSENTHAL, Emanuel (Junior, 1914), Sergt., 56th U. S. Engrs., Co.

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- ROTTER, Max (1899), V. P., in charge Engrg., Busch-Sulzer Bros.-Diesel Eng. Co., 2nd and Utah Sts., St. Louis, Mo., and 3506 Cedar St., Milwaukee, Wis.
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- ROUDEBUSH, Roy E. (1913), Engrg. Dept., Alliance Mch. Co., and 537 E. Broadway, Alliance, O.
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- ROUSE, Richard, Jr. (Associate, 1917), Mgr. Mfg. Dept., Boynton Furnace Co., 230 Pacific Ave., Jersey City, and *for mail*, 153 Milford Ave., Newark, N. J.
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- ROYSE, Daniel (1891; 1904), Room 2403, 17 Battery Pl., New York, N. Y.
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- *RUBIN, Harry E. (Junior, 1915), Lieut., Ord. Dept., U. S. A., 3rd Pursuit Group, Army P. O. No. 731, A. E. F., France, and *for mail*, 352 Good Ave., Indianapolis, Ind.
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- *RUGG, Daniel M. (Junior, 1915), 307th Engrs., A. P. O. No. 742, A. E. F., France, and 1890 E. 97th St., Cleveland, O.
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- RUPE, Ernest L. (1907; Associate-Member, 1915), Genl. Mgr., Bayonne Bolt & Nut Co., 2nd & Trask Aves., Bayonne, N. Y., and *for mail*, 125 Kingsley Ave., West Brighton, S. I., N. Y.
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- *RUPPEL, Richard L. (1912; 1917), Capt., Q. M. C., Engrg. Dept., Constr. Div., U. S. A., and for mail, 1340 Columbia Rd., N. W., Washington, D. C.
- RUPRECHT, Walter E. (Junior, 1916), Secy., Treas. and Genl. Mgr., Chas. F. Matilage & Sons, 335 Greenwich St., and 58 Central Park W., New York, N. Y.
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- RUSBY, John M. (1893), Engr. of Tests, United Gas Improvement Co., Broad and Arch Sts., and The Avondale, 39th and Locust Sts., Philadelphia, Pa.
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- RYTHER, George D. (1918), Pres., Ryther & Pringle Co., Carthage, N. Y.
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- SEAWELL, Bert W. (1907; 1912), Engr., Est. & Reg. Div., Ord. Dept., 6th & B Sts., Washington, D. C., and *for mail*, 170 84th St., Brooklyn, N. Y.
- SECKELS, Louis J. (1918), Engr. of Buildings, Oregon Short Line R. R., 606 Deseret News Bldg., and *for mail*, 134 U St., Salt Lake City, Utah.
- SEDERHOLM, E. T. (1889), Dist. Plant Engr., U. S. Shipping Bd., Emergency Fleet Corp'n., Great Lakes Dist., 206 Perry-Payne Bldg., Cleveland, O., and 395 Jefferson Ave., Pomona, Cal.
- SEDGWICK, E. H. (Junior, 1899), Pur. Agt., Brighton Mills, and *for mail*, 168 Howard St., Passaic, N. J.
- SEDGWICK, Edw. V. (1907), Galena-Signal Oil Co., 17 Battery Pl., New York, N. Y.
- *SEDGWICK, Harry A. (1915), Prov. Lieut.-Com., U. S. N. R. F.; Supt., Milwaukee Wks., Cutler-Hammer Mfg. Co., and *for mail*, 625 Frederick Ave., Milwaukee, Wis.
- SEE, Alonzo B. (1909), A. B. See Elec. Elev. Co., 220 Broadway, New York, and 373 Clinton Ave., Brooklyn, N. Y.
- SEE, James W. (1880), Life Member; M. E., Rentschler Bldg., Hamilton, O.
- *SEED, Charles R. (Associate-Member, 1914), Ensign, U. S. N. R. F., U. S. S. *Waukiva*; Supt. of Power, Worcester Elec. Light Co., 375 Main St., and *for mail*, 59 Webster St., also 19 Baker St., Worcester, Mass.
- SEELBACH, Earl H. (Junior, 1916), Chief Draftsman Truck Dept., Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., and *for mail*, 129 Edna Pl., Buffalo, N. Y.
- SEEM, Charles B. (Junior, 1911), Sales Engr., Elec. Furnace Co., Alliance, O., and *for mail*, R. F. D. No. 1, Vera Cruz, Lehigh County, Pa.
- *SEES, Joseph F. (Associate-Member, 1916), Capt., Ord. Dept., U. S. R.; Asst. Supt. Small Arms Ammunition Dept., Frankford Arsenal, Bridesburg, and *for mail*, 1663 Dyre St., Frankford, Pa.
- *SEGALOWITZ, Oscar (Junior, 1915), 1st Sergeant, Co. D, 302nd Engrs., Factory Supt., Ordinator Co., Inc., 101 Park Ave., New York, and *for mail*, 1594 President St., Brooklyn, N. Y.
- SEIB, George A. (1914), Mech. Supt., Remington Typewriter Co., and *for mail*, 205 Otsego St., Illion, N. Y.
- SEIDEL, Victor B. (Associate-Member, 1914), M.E., Am. Metal Co., Ltd., 61 Broadway, New York, and *for mail*, 138 23rd St., Elmhurst, L. I., N. Y.
- SEIDLE, Norman R. (Associate, 1917), Mgr. Constr. Dept., Joseph T. Ryerson & Son, 16th and Rockwell Sts., Chicago, and 400 S. Kensington Ave., La Grange, Ill.
- SEIGLE, William R. (1914), Genl. Factory Mgr., H. W. Johns-Manville Co., Madison Ave. and 41st St., New York, N. Y.
- SELDEN, William H. (Associate-Member, 1918), Ch. Est., Am. Car & Fdy. Co., 165 Broadway, New York, N. Y.
- *SELFRIDGE, Samuel W. (Junior, 1914), 1st Lieut., 302nd M. O. R. S., A. E. F., France, and *for mail*, 2615 California St., San Francisco, Cal.
- *SELIGMAN, Walter (Junior, 1913), Lieut., C. A., U. S. A., and *for mail*, care of Seligman Freres & Cie, Paris, France.
- SELINDH, Herbert S. (Junior, 1918), Mech. Engr., Holly Sugar Corp'n., Swink, Colo.
- SELKIRK, W. Marshall (1917), Ch. Engr., Pittsburgh Steel Products Co., Monessen, and Broad Ave., Belle Vernon, Pa.
- SELLERS, Coleman, Jr. (1882), Manager, 1890-1893; Pres., Engr., Wm. Sellers & Co., Inc., 1600 Hamilton St., and 3301 Baring St., Philadelphia, Pa.

- SELLERS, William F. (1917), Pres., Treas., Edge Moore Iron Co., Wilmington, and *for mail*, Edge Moore, Del.
- SELLEW, Welles H. (Junior, 1913), Mech. Engr., Ford Instrument Co., Inc., 80 Lafayette St., New York, N. Y., and *for mail*, 113 Ridge Rd., Rutherford, N. J.
- SELLEW, William Hamilton (1913), Asst. Valuation Engr., Mich. Central R. R. Co., and *for mail*, 332 E. William St., Ann Arbor, Mich.
- *SELLMAN, Nils T. (Junior, 1914), 1st Lieut., Co. "A," First Gas Regt., A. P. O. No. 706, A. E. F., France, and 1186 Madison Ave., New York, N. Y.
- SELSER, Thomas W. (1911; 1914; 1916), M.E., E. M. Smith Co., 618 S. Clarence St., and *for mail*, 941 W. 54th St., Los Angeles, Cal.
- *SEMANS, F. Wendell (Junior, 1916), 2nd Lieut., Sig. R. C., A. S., "Elington Field", Houston, Tex., and *for mail*, 108 E. LaFayette St., Uniontown, Pa.
- SEMMEL, John W. (Junior, 1916), Elec. Machinist, Navy Yard, and *for mail*, 4906 6th Ave., Brooklyn, N. Y.
- SENGSTAKEN, J. H. (Junior, 1915), Engr., Lewis A. Riley (2nd), 103 Park Ave., New York, and *for mail*, 497 Decatur St., Brooklyn, N. Y.
- SENIOR, John H. (Associate-Member, 1918), Sales Engr., Smith & Fur-bush Mach. Co., Hancock & Somerset Sts., and *for mail*, 3834 N. Franklin St., Philadelphia, Pa.
- SERBELL, Carl V. (Junior, 1913), Ch. Engr., Portsmouth Cotton Oil Refining Corp., P. O. Drawer 740, and 222 Cooke St., Portsmouth, Va.
- SERMULIN, Fred E. (Junior, 1916), Military Specialist Co., Army P. O. No. 727, A. E. F., France, and 1015 Maple St., Allentown, Pa.
- SERRANO, Luis R. (Junior, 1913), Mech. Draftsman, Braden Copper Co., Sewell, Rancagua, and 1989 Jerman Riesco, Santiago, Chile, S. A.
- SERRELL, John A. (1895), 71 Murray St., New York, N. Y., and 81 Myrtle Ave., Plainfield, N. J.
- SERRELL, John J. (Associate-Member, 1917), V. P., Secy., Smith-Serrell Co., Inc., 90 West St., New York, N. Y., and 17 Oakwood Pl., Elizabeth, N. J.
- SERVEY, Dan F. (Associate-Member, 1915), M. E., Hunt Engrg. Co., 515 Republic Bldg., Kansas City, Mo.
- SERVICE, Jesse S. (Junior, 1916), Asst. Ch. Draftsman, Babcock & Wilcox Co., Lexington Ave. and 3rd St., and *for mail*, 86 Lord Ave., Bayonne, N. J.
- SESSIONS, Edson O. (1911), Dist. Prod. Mgr., U. S. S. B., E. F. C., Edison Bldg.; Pres., Sessions Engrg. Co., 803 W. Madison St., and 5022 Sheridan Rd., Chicago, Ill.
- SESSIONS, Frank L. (1910), Cons. Engr., Mech. and Elec. Expt., Rockefeller Bldg., and 1423 Cohasset Ave., Cleveland, O.
- *SETH, George L. (Junior, 1916), Lieut., Chemical Warfare Service, Long Island City, L. I., N. Y., and *for mail*, 4903 Pulaski Ave., Philadelphia, Pa.
- SETZ, Hans R. (1912), Franco Tosi, 82 Wall St., New York, N. Y.
- SEUBERT, Arthur (Junior, 1913), M.E., American Hard Rubber Co., College Point, and *for mail*, 937 Onderdonk Ave., Brooklyn, N. Y.
- SEUTTER, Louis (Junior, 1918), Asst. Engr., U. S. Forest Products Lab., and 610 Lake St., Madison, Wis.
- SEVERN, Arthur B. (Associate-Member, 1918), Equip. Pilot Engr., B. & O. R. R., Care of A. Stucki, 461 Oliver Bldg., Pittsburgh, Pa.
- SEVERNS, William H. (Junior, 1916), Instr. M. E., Univ. of Ill., and *for mail*, 303 W. Green St., Urbana, Ill., also 1332 Massachusetts St., Lawrence, Kan.

- SEVERS, Elmer B. (1917), Engr., United Gas Improvement Co., 1401 Arch St., Philadelphia, and *for mail*, 123 Birch Ave., Cynwyd, Pa.
- *SEWARD, Herbert L. (1912; 1914; 1918), Sr. Lieut., U. S. N. R. F., Exec. Officer, U. S. Navy Steam Engrg. Sch., Stevens Inst. of Tech., Hoboken, N. J., and *for mail*, 966 Townsend Ave., New Haven, Conn.
- SEWELL, Henry R. (Associate-Member, 1918), Mgr., Power Apparatus Dept., B. F. Sturtevant Co., Dawne St., Hyde Park, and 336 Hyde Park Ave., Jamaica Plain, Boston, Mass.
- SEWELL, J. G. Clifton (Junior, 1892), United Engrg. & Fdy. Co., Pittsburgh, and *for mail*, 15 Hawthorne Ave., Crafton, Pa.
- *SEYBOLD, Eugene (Junior, 1916), Lieut., Ord. R. C., Watervliet Arsenal, Watervliet, N. Y.
- SEYMOUR, Charles R. (1916), Ch. Draftsman, M. D. Knowlton Co., 29 Elizabeth St., and *for mail*, 72 Lorimer St., Rochester, N. Y.
- SEYMOUR, Dudley S. (1905), Supt., Union Spec. Mch. Co., 300 W. Kinzie St., Chicago, and *for mail*, 228 N. Elmwood Ave., Oak Park, Ill.
- SEYMOUR, James A. (1892), Cons. Engr. & Chairman Bd. of Directors, McIntosh & Seymour Corp'n., 91 Orchard St., and *for mail*, 64 South St., Auburn, N. Y.
- SEYMOUR, Joseph W. (Junior, 1891), Boston Mgr., The C. & G. Cooper Co., 201 Devonshire St., Boston, Mass., and *for mail*, 29 Arnold Ave., Edgewood, R. I.
- SEYMOUR, Ralph C. (1914), Mgr., M. E., Rotary Magazine Press Dept., Goss Ptg. Press Co., 220 W. 42d St., New York, and Larchmont Manor, N. Y.
- SHAAD, George C. (1914), Prof. E. E., Univ. of Kan., and Univ. Heights, Lawrence, Kan.
- SHADALL, Charles E. (1912), M. E., Nordberg Mfg. Co., and *for mail*, 468 Idaho St., Milwaukee, Wis.
- SHADGEN, Joseph F. (Junior, 1917), Cons. Engr., Rm. 1607-1608, 50 E. 42nd St., and 163 W. 73rd St., New York, N. Y.
- SHAFFER, William H. (1916), Wks. Mgr., Triumph Elec. Co., Oakley, and *for mail*, 3528 Pape Ave., Hyde Park East, Cincinnati, O.
- SHAFFER, Charles A. (1918), Engr., Du Pont Nitrate Co., Oficina Pena Grande, Iquique, Chile, S. A.
- SHAFFER, Layton S. (Junior, 1916), Asst. Ch. Engr., Ohio Locomotive Crane Co., and *for mail*, P. O. Box 203, Bucyrus, O.
- SHAFFNER, Charles R. (Junior, 1916), Asst. Steam Engr., Ill. Steel Co., Joliet Wks., and *for mail*, 504 W. Jefferson St., Joliet, Ill.
- SHAFTER, Ruland R. (Junior, 1912), Genl. Supt., Taylor Shipbuilding Corp'n., Cornwells, Bucks Co., Pa., and 1240 Simpson St., New York, N. Y.
- SHALLCROSS, Augustus W. (Associate, 1916), Engr., Lufkin Fdy. & Mch. Co., Lufkin, and *for mail*, 624 W. 20th Ave., Houston, Tex.
- SHALLCROSS, Watson C. (1910), Mgr. Caustic Soda Dept., Solvay Process Co., Detroit, and Grasse Isle, Mich.
- *SHANE, Louis (1918), Commander, U. S. N., Wks. of Busch-Sulzer Diesel Eng. Co., 2nd & Utah Sts., St. Louis, Mo.
- SHANKLAND, E. C. (1895), C. E., E. C. & R. M. Shankland, 1106 Rookery Bldg., and 4808 Champlain Ave., Chicago, Ill.
- SHANLEY, Frederick R. (Associate-Member, 1917), The Northwest Knitting Co., and 121 11th St., S., Minneapolis, Minn.
- *SHARKEY, William E. (Junior, 1916), Capt., Ord. Dept., U. S. A., Instrument Sec., Engrg. Div., Bldg. "E," 6th & B Sts., and *for mail*, 4001 14th St., N. W., Washington, D. C.
- SHARP, John T. (1918), Supt., Canton Elec. Light & Water Wks., Canton, Miss.

- *SHARP, Ralph E. (Junior, 1916), Camp Taylor, Louisville, Ky.
- SHARP, Robert E. B. (1918), Asst. Hydraulic Engr., I. P. Morris Dept. of The William Cramp & Sons Ship & Engine Bldg. Co., Richmond & Norris Sts., and *for mail*, 28 Allen Lane, Mt. Airy, Philadelphia, Pa.
- SHARPE, George H. (1917), Deputy Administrative Engr., U. S. Fuel Administration, State Capitol, and 134 Sigourney St., Hartford, Conn.
- SHARPE, Henry D. (Associate, 1901), Treas., Brown & Sharpe Mfg. Co., and *for mail*, 87 Prospect St., Providence, R. I.
- SHARPE, Lucian (Associate, 1902), Providence, R. I.
- *SHATTUCK, Charles H. (Junior, 1914), 1st Lieut., O. R. C., Care of Army I. of O., Midvale Steel Co., Philadelphia, Pa.
- SHAW, Arthur D. (Associate, 1905), 611 W. Upsal St., Germantown, Philadelphia, Pa.
- SHAW, Benjamin C. (Associate-Member, 1916), Asst. Supt., Boston Duck Co., Main St., Bondsville, Mass.
- SHAW, E. C. (1890; 1892), V. P., The B. F. Goodrich Co., 500 S. Main St., and *for mail*, "Wynchwood," N. Portage Path, Akron, O.
- SHAW, Herbert G. (Junior, 1916), Mem. of Shop Com., Sargent & Co., New Haven, and *for mail*, 539 First Ave., West Haven, Conn.
- SHAW, Hubert A. (Associate-Member, 1917), Metallurgist, Natnl. Conduit & Cable Co., Hastings-on-Hudson, N. Y.
- SHAW, James C. (1909), Turbine Engr., The Wm. Cramp & Sons Ship & Eng. Bldg. Co., and 817 69th Ave., Oaklane, Philadelphia, Pa.
- SHAW, James G. (1913), Supvg. Inspr., Travelers Ins. Co., Travelers Indemnity Co., 30 E. 42d St., New York, and *for mail*, 351 Fourth St., Brooklyn, N. Y.
- *SHAW, James W. (1914), Capt., Company D, 107th Reg. Engrs., Camp McArthur, Waco, Texas, and *for mail*, care of Andrew Dreterle, Brookston, Ind.
- SHAW, John C. (1916), In Charge, Spec. Design and Research Wk., Keller Mech. Engraving Co., 70 Washington St., and *for mail*, 422 First St., Brooklyn, N. Y.
- SHAW, Joseph D. (1910), Supt. of Shops, Texas Power & Light Co., Waco, and 1311 Austin Ave., Austin, Tex.
- SHAW, Joseph H. (Junior, 1914), Draughtsman, N. Y. Shipbuilding Co., Camden, and *for mail*, 119 N. Warner St., Woodbury, N. J.
- SHAW, Louis E. (1913), Cons. Engr., 140 Nassau St., New York, N. Y., and 179 N. Parkway, East Orange, N. J.
- SHAW, Max M. (Junior, 1916), Engr., Combustion Dept., Bethlehem Steel Co., and *for mail*, 925 Delaware Ave., South Bethlehem, Pa.
- SHAW, Samuel (Associate, 1913), Supt., Westinghouse, Church, Kerr & Co., 37 Wall St., New York, N. Y.
- SHAW, Stillman (1918), Mech. Engr., Lorenz & Lorenz, 60 Prospect St., Hartford, Conn.
- SHAW, W. Miller (1915), V. P., Genl. Mgr., Benjamin F. Shaw Co., 501 E. 2nd St., and 505 W. 18th St., Wilmington, Del.
- SHAW, William F. (1913), Ch. Engr., Genl. Mgr., Am. Rio Grande Land & Irrigation Co., Mercedes, Tex.
- SHEA, John R. (Associate-Member, 1917), Advisory Engr., Nippon Elec. Co., Ltd., 2 Mita Shikokumachi, Shibaku, Tokyo, and 1833 Shimo-Shibuya, Tokyo-fu, Japan.
- *SHEA, Thos. F. (Junior, 1916), 1st Class Private, Aviation Sec., Signal Corps; Engr., Canal Constr. Co., Exchange Bldg., Memphis, Tenn.
- SHEARER, Christopher A. (Junior, 1910), Am. Radiator Co., Bayonne Plant, Bayonne, N. J.
- *SHEARER, David R. (Associate-Member, 1917), 1st Lieut., A. S., Sig.

- R. C., Approvals Officer, Am. Wood Reduction Co., and *for mail*, Box 429, Kingsport, also Johnson City, Tenn.
- SHEARER, Harry T. (1918), Pres., Genl. Mgr., H. T. Shearer Mch. Co., N. Franklin St., and *for mail*, 4th St. & Philadelphia Ave., Waynesboro, Pa.
- SHEATSLEY, Paul W. (Junior, 1915), Tele. Engr., Am. Tele. and Telegraph Co., 195 Broadway, and *for mail*, Apt. 1, 312 Haven Ave., New York, N. Y.
- SHEDD, Thomas C. (Junior, 1914), Draftsman, Phoenix Bridge Co., and 330 Nutts Ave., Phoenixville, Pa.
- SHEEDY, Joseph E. (1912), Erickson Engrg. Co., Idaho & Iowa Sts., Seattle, Wash.
- *SHEEDY, Michael M. (Associate-Member, 1916), Capt., Co. C, 21st Engrs., U. S. A., (Light Ry), A. E. F., France; and *for mail*, 5 Robin Hood Apts., Broad Ripple, Ind.
- SHELDON, Arthur N. (1916), Member of Firm, F. P. Sheldon & Son, 603 Industrial Trust Bldg., and 21 Wesleyan Ave., Providence, R. I.
- *SHELDON, James R., Jr. (Junior, 1917), 1st Lieut., C. A. R. C., 1st Co., L. I. S., Fort H. G. Wright, N. Y.; Asst. M.E., Waterbury Clock Co., and 112 Prospect St., Waterbury, Conn.
- SHELDON, Lucian A. (1913), Engr., Genl. Elec. Co., and *for mail*, 124 Furman St., Schenectady, N. Y.
- SHELDON, Thos. C. (1884), Secy., Treas., Fitchburg Duck Mills, and *for mail*, 8 School St., Fitchburg, Mass.
- SHELDON, Wm. M. (Junior, 1918), M.E., Sheldon Co., 256 Broadway, New York, N. Y., and *for mail*, 167 William St., East Orange, N. J.
- SHELLEY, Herbert V. (Junior, 1916), Ch. Inspc., Ord. Dept., U. S. A., and *for mail*, Richfield, Pa.
- SHELMIRE, W. H., Jr. (1899), M. E., 69th Launton Ave., Oak Lane, Philadelphia, Pa.
- SHELTON, William A. (Junior, 1912), M.E., The Williams Fdy. Mch. Co., 54-66 Cherry St., and 756 E. Buchtel Ave., Akron, O.
- *SHEPARD, Frederick J., Jr. (Junior, 1917), Lieut., Ord. Dept., Engrg. Div., Office of Ch. of Ord., Washington, D. C.; Treas., Ch. Engr., Lewis-Shepard Co., 48 Blinford St., Boston, and *for mail*, 354 Wolcott St., Auburndale, Mass.
- SHEPARD, Frank E. (1899; 1902), Pres., Denver Engrg. Wks., and *for mail*, 924 Washington St., Denver, Colo.
- *SHEPARD, George H. (1903), Lieut. Com., U. S. N. (Retired), Efficiency Engr., Corps of Engrs., Navy Yard, Norfolk, Va.
- SHEPARD, George R. (1914), M. E., Hyd. Power Co., and 609 Jefferson Ave., Niagara Falls, N. Y.
- SHEPARD, Harold O. (Junior, 1914), Constr. Supt., Metals Production Equip. Co., Brightwood, and *for mail*, 54 Merwin St., Springfield, Mass.
- SHEPARD, James A. (1914), Vice-Pres., Ch. Engr., Shepard Elec. Crane & Hoist Co., Montour Falls, N. Y.
- SHEPARD, Louis A. (1903), McCord & Co., 1416 City Investing Bldg., 165 Broadway, New York, N. Y.
- SHEPARD, Simeon (1904; 1913), M. E., Charge Engrg. and Foreign Trade, Austin Baldwin & Co., Inc., 44 Whitehall St., and *for mail*, 701 W. 179th St., New York, N. Y.
- SHEPHEARD, George R. (Associate-Member, 1918), Asst. Ch. Engr., The Viscose Co., and *for mail*, P. O. Box 281, Marcus Hook, Pa.
- SHEPHERD, Wm. G. (1890; 1904), Genl. Mgr., Shepherd Engrg. Co., and *for mail*, Sherman Rd., Williamsport, Pa.

- SHEPERDSON, John W. (1908; 1911), Morgan Constr. Co., 15 Belmont St., and 68 S. Lenox St., Worcester, Mass.
- SHEPPARD, Auley B. (1915), Supt. of Yard No. 7, Am. Intl. Shipbldg. Corp'n., Hog Island, and *for mail*, 1154 S. Ruby St., West Philadelphia, Pa.
- SHEPPARD, J. L. (Associate, 1906), The J. G. White Engrg. Corp'n., Ronceverte, W. Va.
- SHERIDAN, Richard B. (1909), V. P., Am. Intl. Corp'n., 120 Broadway, New York, and Highland Ave., Ossining, N. Y.
- SHERMAN, Mason H. (1902), Pres., The Sherman Klove Co., 4519 W. Harrison St., Chicago, and 121 Eighth Ave., La Grange, Ill.
- SHERMAN, W. D. (1907), Pres., Cons. Engr., Industrial Engrg. Co., and *for mail*, 222 N. Wilton Pl., Los Angeles, Cal.
- SHERMAN, Waldo L. (Junior, 1916), M. E., Boston Woven Hose & Rubber Co., 29 Hampshire St., Cambridge, and *for mail*, 70 Marlboro St., Belmont, Mass.
- SHERMAN, Walter P. (1913), M. & Cons. Engr., 149 Broadway, and 706 Riverside Drive, New York, N. Y.
- SHERRILL, Sloan S. (Junior, 1918), M.E., Chemical Constr. Co., 6th floor, Trust Bldg., and *for mail*, P. O. Box 968, Charlotte, N. C.
- *SHERWOOD, Herbert P. (Junior, 1916), 2nd Lieut., Chem. Warfare Serv., Chem. Sec., Edgewood Arsenal, Edgewood, Md., and *for mail*, 6452 Minerva Ave., Chicago, Ill.
- SHERWIN, Le Roy M. (Junior, 1918), M.E., Brown & Sharpe Mfg. Co., Promenade St., Providence, and *for mail*, 220 Narragansett St., Edgewood, R. I.
- SHERWOOD, Mather W. (1909), Ball Eng. Co., and *for mail*, 546 W. 9th St., Erie, Pa.
- SHIEBLER, Marvin (1905; 1909), Cons. Gas Engr., 80 Broadway, New York, and 278 Berkeley Pl., Brooklyn, N. Y.
- SHIELDS, Frank S. (1918), Pres., The Cleveland Planer Co., The Cleveland Milling Mach. Co., The Cleveland Mach. Tool Co., Vahan Fdry. Co., 18511 Euclid Ave., Cleveland, Ohio.
- SHIELDS, Harry C. (Associate, 1917), West. Sales Engr., Fuller Engrg. Co. of Allentown, and Lehigh Car, Wheel & Axle Wks. of Catasauqua, Pa., 1336 McCormick Bldg., Chicago, Ill.
- SHILAND, Finley H. (Junior, 1914), Plant Engr., Chester Paper Co., Scott Paper Co., Front & Market Sts., Chester, and *for mail*, 1022 S. 55th St., Philadelphia, Pa.
- SHIMER, Abraham A. (1917), Asst. Ch. Engr., Hercules Powder Co., Wilmington, Del.
- SHIMMIN, Robert P. (1914), Salesman, Link-Belt Co., 39th St., and Stewart Ave., and *for mail*, 2254 W. 107th Pl., Chicago, Ill.
- SHIPLEY, Albert R. (Associate, 1912), Industrial Engr., Winchester Repeating Arms Co., and *for mail*, 186 Canner St., New Haven, Conn.
- SHIPLEY, Grant B. (Associate, 1907), Pres., Pittsburgh Wood Preserving Co., 1053 Century Bldg., and 705 Devonshire St., E. E., Pittsburgh, Pa.
- SHIPLEY, Jack B. (Associate-Member, 1918), Marine Engr., Moore Shipbldg. Co., and *for mail*, Hotel Harrison, Oakland, Cal.
- SHIPLEY, Murray (1917), V. P., The Sechler & Co., 538-550 E. Fifth St., and 1 Dexter Pl., Cincinnati, O.
- SHIPLEY, S. Carl (1913), Asst. Prof. Mech. Engrg., Experimental Engrg. Bldg., Univ. of Minnesota, and *for mail*, 1517 River Rd., E., Minneapolis, Minn.
- SHIPLEY, Thos. (1891), V. P., Genl. Mgr., York Mfg. Co., York, Pa.
- SHIREY, William H. (Junior, 1916), Mech. Engr., Albert Kahn Archi-

- tect, Marquette Bldg., and Apt. 39, 36 Ferry Ave., W., Detroit, Mich.
- *SHIRLEY, Harvey J. (Junior, 1918), Machinist's Mate, 2nd Class, U. S. N. R. F., Attached to Student Army Training Corps, Navy Sec., Univ. of Cincinnati, and *for mail*, 485 Riddle Rd., Cincinnati, O.
- SHIRLEY, John G. (Junior, 1914), Prod. Mgr., S. K. F. Ball Bearing Co., 330 New Park Ave., and *for mail*, 112 Huntington St., Hartford, Conn.
- SHIRLEY, Loyd E. (1912), Supt., C. S. Bell Co., Hillsboro, O., and V. P., Garland Mfg. Co., Des Plaines, Ill.
- SHIRLEY, Robert (1906), Wks. Mgr., Eddy Valve Co., 7 Eighth St., Box 375, Waterford, N. Y.
- SHIRRELL, David (1890), Am. Loco. Co., and *for mail*, 852 Union St., Schenectady, N. Y.
- SHODRON, John G. (Junior, 1908), Cons. Engr., Arch., James Mfg. Co., and *for mail*, 206 S. High St., Fort Atkinson, Wis.
- SHOEMAKER, Samuel S. (Junior, 1917), Tech. Asst., Semet-Solvay Co., and *for mail*, Solvay Lodge, W. Jefferson Ave., Detroit, Mich.
- SHOOP, Charles F. (1914), Asst. Prof. Exper. Engrg., Univ. of Minn., and 811 Fulton St., S. E., Minneapolis, Minn.
- SHOREY, John A. (1918), Engr. Specialist, Genl. Elec. Co., N. Y. Office, 120 Broadway, New York, N. Y., and *for mail*, 154½ Sip Ave., Jersey City, N. J.
- *SHORT, Frank (Junior, 1915), 1st. Lieut., O. D., U. S. A., care of S. E. Short, Penn Yan, N. Y.
- SHORT, Fred A. (Associate-Member, 1918), Mech. Engr., Stone & Webster, 147 Milk St., Boston, and *for mail*, 56 Cliff St., Roxbury, Mass.
- SHORT, Stanley (Associate-Member, 1915), Natnl. Carbon Co., Inc., Niagara Falls, N. Y.
- SHOUDY, William A. (1903; 1917), Asst. M. E., J. G. White Engrg. Corp'n., 43 Exchange Pl., New York, N. Y.
- SHOVLIN, Patrick J. (1909), Superior Gas Eng. Co., and 1134 E. High St., Springfield, O.
- *SHRADY, Charles D. (1917), Troop A, Squadron A, N. Y. G.; Engr., Van Sicken & Co., Inc., 17 Battery Pl., New York, and *for mail*, 421 Pelham Manor Rd., Pelham Manor, N. Y.
- SHREVE, Earl O. (1916), Local Mgr., Genl. Elec. Co., Rialto Bldg., San Francisco, and 2416 Tyler St., Berkeley, Cal.
- SHRIVER, Harry T. (Junior, 1893), Prop., T. Shriver & Co., Harrison, and *for mail*, Llewellyn Park, West Orange, N. J.
- SHUBERT, George E. (Associate-Member, 1918), Supvr. of Barrel Dept., Remington Arms U. M. C. Co., Bridgeport, and *for mail*, 272 Winthrop Ave., New Haven, Conn.
- SHULER, Harvey A. (Junior, 1913), Dist. Mgr., The Kinnear Mfg. Co., 709 Ford Bldg., and 191 Cortland Ave., Detroit, Mich.
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- SKINNER, Ramsey (1913), Treas., Reeves & Skinner Mch'y Co., 2211 Oliver St., and *for mail*, 3522 Sullivan Ave., St. Louis, Mo.
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- SMITH, Percy C. (Junior, 1913), Prod. Mgr., Hart & Hegeman Mfg. Co., 342 Capitol Ave., and *for mail*, 77 Hazel St., Hartford, Conn.
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- *SMITH, Peter M. (Junior, 1915), 2nd Lieut., Sig. Corps, 1st Co. Rep. Dep. Battn., S. C., A. P. O. No. 925, A. E. F., France, and *for mail*, 2298 E. 85th St., Cleveland, O.
- SMITH, Peter P., Jr. (Junior, 1916), Chief Cons. Engr., Bell Automobile Corp., 280 Broadway, and 101 Park Ave., New York, N. Y., and *for mail*, 2624 Blvd., Jersey City, N. J.
- SMITH, Philip C. (1916), Supt. Fdy., Ingersoll-Rand Co., Phillipsburg, N. J., and *for mail*, Sullivan St., Easton, Pa.
- SMITH, Preston M. (1916), Allied Mch. Co. of Am., 120 Broadway, and Engineers Club, 32 W. 40th St., New York, N. Y.

- SMITH, Raymond E. (Junior, 1918), Draftsman, U. S. Navy Yard, and *for mail*, 158 Robinson St., Brooklyn, N. Y.
- *SMITH, Robert W. (1890), 2nd Lieut., E. O. R. C., 106th Engrs.; V. P., Hilles & Jones Co., and *for mail*, 1105 Franklin St., Wilmington, Del.
- SMITH, Robert Wm. (1914), Constr. Engr., Mich. Alkali Co., and 54 Vine St., Wyandotte, Mich.
- SMITH, Rodney W. (1916), Reeves & Skinner Mchy. Co., 2211 Olive St., and 4727 Louisiana Ave., St. Louis, Mo.
- SMITH, Roy B. (1905; 1912), M. P. Inspr., Pa. Lines West, and 356 14th Ave., Columbus, O.
- SMITH, Roy H. (1906; 1917), Treas. & Gen'l. Mgr., The Falls Rivet Co., Kent, Ohio.
- SMITH, Sanford C. (1914), Mgr., McClave-Brooks Co., Room 351, 50 Church St., and 404 W. 145th St., New York, N. Y.
- SMITH, T. Carpenter (1886), Life Member; "Havod," Constant Spring P. O., St. Andrews, Jamaica, West Indies.
- SMITH, Thomas A. (Associate-Member, 1916), M.E., Equipment Div., Remington Arms Union Metallic Cartridge Co., 939 Barnum Ave., and *for mail*, 720 Noble Ave., Bridgeport, Conn.
- SMITH, Thomas W. (1917), M.E., Q. M. C., U. S. A., Am. 306, Union Sta., and *for mail*, 917 6th St., N. E. Washington, D. C.
- SMITH, Victor J. (Associate-Member, 1918), Cleveland Milling Mach. Co., 18511 Euclid Ave., and *for mail*, 6107 Carnegie Ave., Cleveland, O.
- SMITH, Walter J. (Associate-Member, 1915), Mgr., J. S. Thorn Co., 20th and Allegheny Ave., and *for mail*, 1035 S. 54th St., Philadelphia, Pa.
- SMITH, William (1911), Genl. M. M., Worth Bros., Midvale Steel Co., and 1 Brown's Apts., Lincoln Highway, Coatesville, Pa.
- SMITH, William (1917), Spec. Wk., Henry Disston & Sons, Inc., and *for mail*, 6942 Marsden St., Tacony, Philadelphia, Pa.
- SMITH, Wm. A. (Junior, 1918), Asst. to Educational Dir., The Texas Co., 17 Battery Pl., New York, N. Y.
- SMITH, William E. (1918), Traveling Engr., Babcock & Wilcox Co., and *for mail*, 92 Trask Ave., Bayonne, N. J.
- SMITH, William Earheart (1908; 1918), Traveling Engr., Babcock & Wilcox Co., and *for mail*, 92 Trask Ave., Bayonne, N. J.
- SMITH, Wm. Edward (1900), Pres., Swedish Portland Cement Mfg. Co., P. O. Box 263, and *for mail*, Strelna, Petrograd, Russia.
- SMITH, William H. (1911), Engr., Ford Motor Co., and *for mail*, 63 Burlingame Ave., Detroit, Mich.
- SMITH, Wm. H. C. (Associate-Member, 1918), Sugar Mchy. Engr., Buyer, Tech. Dept., W. R. Grace & Co., Hanover Square, New York, N. Y., and 92 6th St., Ridgefield, N. J.
- SMITH, William Harold (Junior, 1916), Engrg. Dept., Alpha Portland Cement Co., First Natl. Bank Bldg., and *for mail*, 816 Porter St., Easton, Pa.
- SMITH, William P. (Associate-Member, 1918), Genl. Supt., The Frost Mfg. Co., and *for mail*, Galesburg Club, Galesburg, Ill.
- *SMITH, William Walker (1912), Lieut. U. S. N.; Chief Engr., The Federal Shipbuilding Co., 54 Dey St., New York, N. Y.
- SMITHE, Ferdinand L. (1912), Pres., F. L. Smithe Mch. Co., Inc., 150 Eleventh Ave., and 473 W. 153d St., New York, N. Y.
- *SMITHE, Frank B. (Junior, 1916), 2nd Lieut., Coast Art. (Heavy), Fort Monroe, Va., and *for mail*, 473 W. 152nd St., New York, N. Y.
- SMITHWICK, N. Austin (1916), 41 Winter St., Portland, Me.
- SMOCK, H. E. (Associate-Member, 1917), U. S. N. R. F., Engr. Officer, U. S. Nav. Ord. Plant, Chapel St., Dayton, O.

- *SNAPP, Howard M., Jr. (Junior, 1918), U. S. A., Meteorological Sec., Science & Research Div., and *for mail*, 421 Richard St., Joliet, Ill.
- *SNAVELY, A. Bowman (Junior, 1916), Lieut., C. A. C., Radio & Telephone Officer, 36th Art. Brigade Hdqrs., A. E. F., France; Asst. M. M., Hershey Chocolate Co., and *for mail*, Box 174, Hershey, Pa.
- SNEDDON, James P. (1891), Genl. Supt., The Babcock & Wilcox Co., and 799 Ave. A, Bayonne, N. J.
- SNEDEKER, Theodore A. (Associate, 1917), Asst. Treas., The Taft-Pierce Mfg. Co., 233 Broadway, New York, N. Y.
- SNELL, Lyle K. (1914), Engr., Willys Overland Co., Toledo, Ohio, and 150 Gladstone Ave., Detroit, Mich.
- SNIDER, Lewis A. (1918), M.E., Snider-Rotz, Engrs., 703 Merchants Bank Bldg., and 728 N. Bancroft St., Indianapolis, Ind.
- SNODGRASS, John McB. (1904; 1913), Asst. Prof. Ry. Mech. Engrg., Univ. of Ill., Urbana, and 306 Armory Ave., Champaign, Ill.
- SNODGRASS, William (1918), Engr., Honolulu Iron Wks. Co., Teniente Rey 11, Havana, Cuba.
- SNOW, Elmer J. (1914), Mahwah, N. J.
- SNOW, Norman L. (Junior, 1910), V. P. & Genl. Mgr., The Terry Steam Turbine Co., and 234 Beacon St., Hartford, Conn.
- SNOW, Sylvester M. (1890), Cons. Engr., 55 Kilby St., Boston, Mass., and *for mail*, 257 Gano St., East Side Sta., Providence, R. I.
- SNOW, Walter B. (1898), Publicity Engr., Walter B. Snow & Staff, 136 Federal St., Boston, and 115 Russell Ave., Watertown, Mass.
- SNOW, Wm. G. (1905), Treas., Reversible Collar Co., 95 Milk St., Boston, and 11 Devon Rd., Newton Centre, Mass.
- *SNYDER, Clifford L. (Junior, 1918), Lieut., Ord. Dept., U. S. A., Nitrate Div., 6th & B Sts., Washington, D. C., and 263 W. Ferry Ave., Detroit, Mich.
- SNYDER, George T. (1912), Ch. Engr., Lorain Wks., The National Tube Co., Lorain, and 232 E. 6th St., Elyria, O.
- SNYDER, Herbert W. (1917), Asst. to V. P. in charge Engrg., Lima Loco. Wks., Inc., and 326 S. Jameson Ave., Lima, Ohio.
- SNYDER, Leo H. (Junior, 1907), Joseph Dixon Crucible Co., and 782 Montgomery St., Jersey City, N. J.
- SNYDER, Thomas A. (Junior, 1914), Engr., Bucyrus Co., South Milwaukee, and 604 Wentworth Ave., Milwaukee, Wis.
- SNYDER, William E. (1900), M.E., Am. Steel & Wire Co., 1165 Frick Annex, and *for mail*, 1822 Morrell St., N. S., Pittsburgh, Pa.
- *SNYDER, Wm. R. (Junior, 1911), 1st Lieut., Ord. R. C., 155 E. Superior St., Chicago, Ill.
- SNYPP, Charles E. (1912), Dist. Engr., The So. Cotton Oil Co., and *for mail*, Gretna, La.
- *SODERSBERG, Robert B. (Associate-Member, 1918), 1st Lieut., Ord., U. S. A., Army Inspec. of Ord., & Acting Q. M. for Gray & Davis, Inc., Amesbury & Wheeler Reflector Co., Boston, and *for mail*, 155 Main St., Amesbury, Mass.
- SODERSTROM, Karl A. (1917), Designing Engr., The Midvale Steel Co., Nicetown, and *for mail*, 16F Hansberry St., Philadelphia, Pa.
- SOLLER, Walter (Junior, 1917), Prod. Engr., Puget Sound Navy Yard, and *for mail*, 817 Naval Ave., Bremerton, Wash.
- SOLOMON, Charles R. (Associate-Member, 1918), Ch. Draftsman & Designer, United Iron Wks. Co., and *for mail*, 3000 Highland, Kansas City, Mo.
- *SOLOMON, Gabriel R. (1916), Maj. of Engrs., Office of the Constr. Div. of the Army, Washington, D. C.; Cons. Engr., Solomon-Norcross Co., 1625 Candler Bldg., and 80 E. 5th St., Atlanta, Ga.

- SOMERVILLE, George N. (Associate-Member, 1917), Ch. Engr., Skandia Pacific Oil Eng. Co., 2893 Glascock St., Oakland, and 742 Treat Ave., San Francisco, Cal.
- SOMERVILLE, W. A. S. (Associate-Member, 1914), M. E., Quaker Oats Co., and *for mail*, 117 Storer Ave., Akron, O.
- SONDERMAN, Herman C. (Associate-Member, 1917), Brooklyn Rapid Transit System, 500 Kent Ave., and *for mail*, 27 Crescent Pl., Brooklyn, N. Y.
- SONN, George P. (1915; Associate-Member, 1916), Plant Engr., Natnl. Conduit & Cable Co., Hastings-on-Hudson, and *for mail*, 81 St. Andrew's Pl., Yonkers, N. Y.
- SOPER, Cleveland C. (Associate-Member, 1917), Instr. Mch. Drawing, Mch. Design, Wentworth Inst., Boston, and *for mail*, 27 Paulina St., Somerville, Mass.
- SOPER, Ellis (1905; 1908; 1917), 2110 Hayes St., Nashville, Tenn.
- SORGE, Adolph, Jr. (1886), M. E., Mfr's Rep., A. Sorge, Jr. & Co., 1537-1538 Monadnock Blk., Chicago, Ill., and Langley Ave., R. F. D. 2., Box 3, St. Joseph, Mich.
- SORROW, Walter J. (1913), Engr., Marlin, Rockwell Corp'n., Willow St., and *for mail*, 80 Pond St., New Haven, Conn.
- SORZANO, Julio F. (1884), Life Member; Cons. C. and M. E., Pres., Pan-Am. Chamber of Commerce, 42 Broadway, New York, and *for mail*, 228 Garfield Pl., Brooklyn, N. Y.
- *SOSS, Henry (Junior, 1918), Capt., Ord. Dept., U. S. A., Worthington Pump Co., Hazleton, Pa., and *for mail*, 790 Riverside Drive, New York, N. Y.
- SOSSONG, Raymond A. (Junior, 1917), Mech. Supt. Acetylene Plants, Air Reduction Sales Co., 31st and Homan Ave., and 5004 W. Monroe St., Chicago, Ill.
- SOUBA, William H. (1914; 1917), Cons. Engr., C. D. Howe & Co., 2nd Floor, Whalen Bldg., Port Arthur, Ont., Canada, and Hopkins, Minn.
- *SOUTH, Furman, Jr. (Junior, 1913), 1st Lieut., Ord. R. C., Ord. Dept., U. S. A., Washington, D. C.; Army I. of O., Am. Can. Co., Liberty Ord. Plant, and 1560 Laurel Ave., Bridgeport, Conn.
- SOUTHWORTH, Martin O. (1907), E. E. Fairbanks, Morse & Co., 900 S. Wabash Ave., Chicago, Ill.
- SOVERHILL, Harvey A. (1909), Wks. Mgr., Davenport Loco. Wks., Rockingham Rd., Davenport, Ia., and 623 23rd St., Moline, Ill.
- SOWDEN, Parkin T. (1908; Associate-Member, 1915), Asst. Genl. Mgr., Arkell & Smith, Canajoharie, N. Y.
- SOWERS, David W. (1915), Pres., Sowers Mfg. Co., 1300 Niagara St., and 51 Cleveland Ave., Buffalo, N. Y.
- *SPACKMAN, Henry S. (1899), Lieut. Col., Corps of Engrs., U. S. A., Engrs. Purch. Office, A. E. F., France; Pres., Henry S. Spackman Engrg. Co., 2024 Arch St., Philadelphia, and 105 Ardmore Ave., Ardmore, Pa.
- SPALDING, Chester M. (1894), M.E., Genl. Elec. Co., and *for mail* 306 E. 8th St., Erie, Pa.
- SPARKES, J. Gordon (Junior, 1916), M.E., The Standard Scientific Co., 147-153 Waverly Pl., and 302 W. 121st St., New York, N. Y.
- SPARKS, A. F. (1918), Genl. Mgr. & Ch. Engr., The James Leffel & Co., Lagonda Ave. and 2021 E. High St., Springfield, Mass.
- *SPARKS, Hubert C. (1913), Col., D. S. O., M. C., 3rd Army Labor Commandant, B. E. F., France; Partner, Chas. P. Sparks, Con. Engrs., 66-71 Moorgate Ct., Moorgate St., London, E. C. 2, and Suffolk House, 38 Putney Hill, London, S. W., 15, England.
- SPARROW, Stanwood W. (Junior, 1918), Assoc. Engr., Altitude Lab., Bureau of Standards, and *for mail*, 5 New York Ave., N. W., Washington, D. C.

- *SPATES, Thomas G. (Associate-Member, 1918), 2nd Lieut., Avia. Sec., Sig. R. C., Post Field, Fort Sill, Okla., and *for mail*, 140 E. Wheeling St., Washington, Pa.
- SPATZ, Ralph L. (Junior, 1916), The Koppers Co., Abby and Mystic St., Buffalo, N. Y.
- *SPAULDING, Hollon C. (1890), Capt., Q. M. C., U. S. A., and *for mail*, P. O. Box 375, Halifax, N. S., Canada.
- SPEAR, Grant W. (1914), V. P., East. Mgr., Dearborn Chem. Co., 299 Broadway, and 838 West End Ave., New York, N. Y.
- SPEAR, Lawrence Y. (1915), V. P., Elec. Boat Co., Groton, and Gardner Ave., New London, Conn.
- SPEAR, Maynard H. (1915), Ord. Dept., Prod. Div., 1107 Broadway, New York, and *for mail*, 252 Barclay St., Flushing, L. I., N. Y.
- SPEAR, Walter A. (Associate-Member, 1917), Test. Engr., Cincinnati Milling Mch. Co., and *for mail*, 2116 St. James Ave., Cincinnati, O.
- SPEARMAN, G. M. (Junior, 1917), Draftsman, T. C. I. & R. R. Co., 1010 Woodward Bldg., and *for mail*, 939 S. 20th St., Birmingham, Ala.
- SPEARMAN, John M. (Junior, 1916), Genl. Boiler Foreman, Tenn. Coal, Iron & R. R. Co., and *for mail*, P. O. Box, Ensley, Ala.
- SPECHT, Victor G. (Junior, 1913), Draftsman, Child & Scott Co., U. S. Army Supply Base, and *for mail*, 216 Willoughby Ave., Brooklyn, N. Y.
- SPECK, William C. (Associate-Member, 1916), Asst. Supt., The Buckeye Steel Castings Co., and 916 Madison Ave., Columbus, O.
- SPEED, William S. (1900; 1904), Pres., Louisville Cement Co., 315 Guthrie St. and 523 Park Ave., Louisville, Ky.
- SPEER, Charles H. (Associate, 1907), Ch. Engr., Algoma Steel Corp., and *for mail*, 173 McDougall St., Sault Ste. Marie, Ont., Canada.
- SPEER, J. Ramsev (1917), Pres., Pittsburgh Iron & Steel Foundries Co., Oliver Bldg., Pittsburgh, Pa., and *for mail*, Wilderness Farms, Trappe, Talbot Co., Md.
- SPELLMAN, Charles B. (Junior, 1918), 2525 N. 12th St., Philadelphia, Pa.
- SPENCE, Peter C. (1918), M.E., Dept. of Labor, State of N. Y., 230 5th Ave., and *for mail*, 70 W. 71st St., New York, N. Y.
- *SPENCER, C. G. (1911), Capt., A. S., S. C., Dept. Military Aeronautics, 6th & B Sts., Washington, D. C., and care of Mrs. H. D. Hunt, 71 Washington Pl., New York, N. Y.
- SPENCER, Frank C. (1908; 1912), Supt. of Browning Gun Dept., Colt's Patent Fire Arms Co., and *for mail*, 70 Webster St., Hartford, Conn.
- SPENCER, Frederick Alden (Junior, 1917), Thomas E. Murray, Cons. Engr., 130 E. 15th St., New York, and *for mail*, 147 25th St., Elmhurst, L. I., N. Y.
- *SPENCER, Furman G. (Associate-Member, 1916), Capt., Ord. Dept., U. S. R., Watervliet Arsenal, Watervliet, and 267 Hoosick St., Troy, N. Y.
- SPENCER, Ira H. (1913), Pres., The Spencer Turbine Cleaner Co., 618 Capitol Ave., Hartford, and *for mail*, 98 Mountain Rd., West Hartford, Conn.
- *SPENCER, Orrie G. (Associate-Member, 1917), Capt., Engrs., Hdqrs. 9th Battn., 20th Engrs., A. E. F., France.
- *SPENGLER, Ralph A. (Associate-Member, 1918), Capt., Watertown Arsenal, 144 School St., Watertown, Mass., and 3084 Euclid Blvd., Cleveland, Ohio.
- SPENGLER, Warren D. (1918), Engr., Northern Ohio Traction & Light Co., Akron, and Hudson, O.
- SPERLING, Nathaniel J. (1916), Supt. Mech. Dept., Astoria Light, Heat & Power Co., Astoria, L. I., and *for mail*, 510 W. 140th St., New York, N. Y.

- SPERRY, Elmer A. (1910), Life Member; Pres., Engr., The Sperry Gyroscope Co., Manhattan Bridge Plaza, and *for mail*, 1505 Albermarle Rd., Brooklyn, N. Y.
- *SPERRY, Samuel E., Jr. (Junior, 1917), Ch. Machinist's Mate, U. S. Naval Aviation, Sea-Plane Hangar, U. S. Naval Air Station, Rockaway, L. I., N. Y.
- *SPICE, Charles G. (1913; Associate-Member, 1918), Capt., Ord. Res. Corps, Ammunition Sect., and *for mail*, 123 Delaware Ave., Detroit, Mich.
- SPICER, Charles W. (Associate-Member, 1915), M. M., Fernwood Lumber Co., Fernwood & Gulf R. R., Fernwood, Miss.
- SPICER, Clarence W. (1913), V. P., Ch. Engr., Spicer Mfg. Corp'n., S. Plainfield and 417 Central Ave., Plainfield, N. J.
- SPICER, Elmer D. (Associate-Member, 1918), Factory Mgr. & Ch. Engr., Moore St., Turbine Corp'n., and *for mail*, 415 N. Main St., Wells-ville, N. Y.
- SPICER, Geo. W. (Junior, 1918), M. M., Sec. No. 1, Maint. of Ways, Am. Intl. Shipbldg. Corp'n., Hog Island, and *for mail*, 1928 Green St., Philadelphia, Pa.
- SPIDY, Edgar T. (Junior, 1912), Prod. Engr., Canadian Pacific Ry. Co., Angus Shops, Montreal, and 14 Bank St., Sherbrooke, P. Q., Canada.
- SPIEGELHALTER, Charles (Associate-Member, 1916), Engr.-in-Charge Drawing Room, The Pusey & Jones Co., and *for mail*, 108 W. 27th St., Wilmington, Del.
- SPILLMAN, Harry S. (Junior, 1910), Pres., Natl. Constr. Co., and *for mail*, 1537 Second Ave., Detroit, Mich.
- SPILSBURY, Edmund G. (1890), Cons. Engr., E. G. Spilsbury Engrg. Co., 29 Broadway, New York, and 1623 Albermarle Rd., Brooklyn, N. Y.
- SPILSBURY, Raymond G. (1914), Engr., Designer, John Robertson & Co., 127 Water St., and *for mail*, 486 Westminster Rd., Brooklyn, N. Y.
- SPINNLER, Charles E. (1918), Agent for Franco Tosi, Legnano, Italy, Rm. 707, 82 Wall St., New York, N. Y.
- SPIRO, Charles (1908), Pres., The Visigraph Typewriter Mfg. Co., 39 W. 116th St., and *for mail*, 10 W. 121st St., New York, N. Y.
- SPITZGLASS, J. M. (1914), V. P., Cons. Engr., Republic Flow Meters Co., 565 Washington Blvd., and *for mail* 565 W. Washington Blvd., Chicago, Ill.
- *SPOFFORD, Harry H. R. (Junior, 1915), Ensign, U. S. N., 11 Cherry St., Hudson, Mass.
- SPONSEL, Charles W. (1902), Pres., Treas., The Sponsel Co., 647 Main St., and *for mail*, 8 Chapin Pl., Hartford, Conn.
- SPONSLER, Charles F. (1904; 1912), Treas., W. P. Mackenzie Co., Pennsylvania Bldg., and *for mail*, 6148 Oxford St., Philadelphia, Pa.
- SPOTTON, Arthur K. (Junior, 1906), Ch. Engr., Goldie & McCulloch Co., Ltd., Galt, Ont., Canada.
- SPRADO, Carl G. (1903), Engr.-in-Charge Gas and Oil Engines, Allis-Chalmers Mfg. Co., and *for mail*, 733 28th St., Milwaukee, Wis.
- SPRADO, Ralph (1900), Cons. Engr., Sprado Engrg. Co., 704 Am. Bank Bldg., Los Angeles, and 1402 Morningside Ct., Hollywood, Cal.
- SPRAGUE, Benjamin O. (1913), Genl. Supt., Savannah Sugar Refg. Corp., Savannah, Ga.
- SPRAU, William C. (1910; 1913), Treas., M. E., Barnes Wire Fence Co., 552 Ferry Park Ave., and 29 Churchill Ave., Detroit, Mich.
- SPRECKLES, Charles H., Jr. (Junior, 1917), Engr. Brooklyn Rapid Transit Co., Kent Ave. Power House, and *for mail*, 1222 Carroll St., Brooklyn, N. Y.

- SPRINGER, John J. (Junior, 1903), Asst. Mgr., Crane Co., 824 Broadway, Cincinnati, and *for mail*, 4815 Marion Ave., Norwood, O.
- SPRINGER, Russell S. (1913), V. P., The Holt Mfg. Co., and Yosemite Club, Stockton, Cal.
- SPRONG, Edward A., Jr. (Junior, 1918), Head of Prod. Dept., Niles Tool Wks., and *for mail*, Y. M. C. A., Hamilton, O.
- SPRONG, Severn D. (1912), E. E., Edison Elec. Ill. Co. of Brooklyn, 360 Pearl St., and 533 Second St., Brooklyn, N. Y.
- *SPRUNCE, Wm. C., Jr. (1906), Lieut. Col., Ord., U. S. A., 7th & B Sts., N. W., Washington, D. C., and 6400 Rockville Road, Chevy Chase, Md.
- SPURLING, Oliver C. (1907), Asst. Genl. Supt., West. Elec. Co., Inc., Hawthorne Sta., Chicago, and 224 S. Ridgeland Ave., Oak Park, Ill.
- SQUIRE, Milford B. (Junior, 1917), E. V. Anderson Contr., 39 Market St., Poughkeepsie, and *for mail*, 88 Hancock St., Brooklyn, N. Y.
- SQUIRE, Raymond S. (Junior, 1912), Asst. Supt., Victor Saw Wks., and *for mail*, 16 Rupert St., Springfield, Mass.
- SQUIRES, John (1917), Pres. & Genl. Mgr., The Squires Engrg. Corp'n., and *for mail*, 518 Yorkshire Highway, Grosse Pointe Park, Mich.
- STADLER, Charles (1914), Ch. Engr., The Stadler Engrg. Co., 327 So. La Salle St., and 6455 Greenwood Ave., Chicago, Ill.
- STAEGE, Stephen A. (1917; 1918), Genl. Engrg. Dept., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 1645 Shady Ave., Pittsburgh, Pa.
- STAFFORD, Benjamin E. D. (Junior, 1895), V. P., Genl. Mgr., Flannery Bolt Co., Vanadium Bldg., and 4335 Schenley Farms Terrace, Pittsburgh, Pa.
- STAFFORD, Hal R. (1917), Ch. Engr., Franklin Ry. Supply Co., Inc., 30 Church St., New York, N. Y., and *for mail*, 69 Grove St., Plainfield, N. J.
- STAFFORD, Norman L., Jr. (Junior, 1916), Smith Premier Wks., Remington Typewriter Co., and *for mail*, 310 Stratford St., Syracuse, N. Y.
- STALEY, Allen C. (1914; 1918), Standard Engrg. Co., 4399 Chouteau Ave., St. Louis, Mo.
- STALEY, Frederick W. (Associate, 1917), Fuel Engr., The Texas Co., 17 Battery Pl., New York, N. Y., and 75 Hollywood Ave., East Orange, N. J.
- STAMER, Frank R. (Junior, 1918), Asst. Engr., Aetna Explosives Co., 120 Broadway, New York, and 143 Engert Ave., Brooklyn, N. Y.
- STANBROUGH, Duncan G. (1907; 1918), Genl. Supt., Packard Motor Car Co., and 571 Field Ave., Detroit, Mich.
- STANCLIFF, Arthur D. (1912; 1918), Supt., West. States Portland Cement Co., Independence, Kan.
- STANDLEY, Albert H. (Junior, 1899), V. P., Genl. Supt., Downington Mfg. Co., and *for mail*, Box 3, and 336 E. Lancaster Ave., East Downington, Pa.
- STANFORD, J. Verne (1911), Prof. M. E., Univ. of Pa., Engrg. Bldg., and 218 S. Farragut St., Philadelphia, Pa.
- STANGLAND, B. F. (1889; 1892), M. E., Ret., Morton, Orleans Co., N. Y.
- STANGLAND, Robert S. (1916), M. E., W. S. Barstow & Co., 50 Pine St., New York, and 1 Leighton Ave., Yonkers, N. Y.
- STANIAR, William (1914; 1916), M. E., E. I. du Pont de Nemours & Co., 830 Du Pont Bldg., and *for mail*, 801 W. 20th St., Wilmington, Del.
- STANLEY, Alix W. (1893; 1903), Pres., Stanley Rule & Level Co., and Box 704, New Britain, Conn.

- STANLEY, Frank A. (1911), Editorial Rep., Am. Machinist, McGraw-Hill Publishing Co., 36th St. & 10th Ave., New York, N. Y., and *for mail*, East Auburn, Cal.
- STANNARD, James M. (Associate, 1915), Pres., Treas., Stannard Power Equip. Co.; Mgr. Chicago Office, Am. Steam Pump Co., 1220-1222 Monadnock Bldg., and 4547 Greenwood Ave., Chicago, Ill.
- STANLEY, John C. (Associate, 1918), Pres. & Genl. Mgr., Am. & British Mfg. Co., and *for mail*, 634 Laurel Ave., Bridgeport, Conn.
- STANSFIELD, Frank H. (Associate-Member, 1916), Supvr. Efficiency Wk., Bridgeport Brass Co., East Main St., and *for mail*, 31 Pacific St., Bridgeport, Conn.
- *STANTON, Robert B., Jr. (Associate-Member, 1917), 1st Lieut., U. S. A., Student, Co. 5, E. O. T. S., Camp Humphreys, Va., and New Canaan, Conn.
- STANWOOD, James B. (1889), Manager, 1897-1900; V. P., Engr., The Houston, Stanwood & Gamble Co., P. O. Box 821, and *for mail*, 631 Lincoln Ave., Cincinnati, O.
- STAPLE, Sydney J. (Associate-Member, 1916), Master Mechanic, Homestake Mining Co., and *for mail*, 617 Sawyer St., Lead, S. D.
- STAPLES, Horace A. (1903; 1916), Wks. Mgr., British Am. Metals Co., Inc., and *for mail*, 1000 Myrtle Ave., Plainfield, N. J.
- STARBUCK, George F. (Junior, 1901), Draftsman, Boston Elev. Ry. Co., Boston, and *for mail*, Waltham, Mass.
- STARK, Arthur W. (1918), Asst. to Engr. of Constr., Consld. Gas Co. of N. Y., 130 E. 15th St., New York, N. Y.
- STARK, Julian E. (Associate-Member, 1917), Ch. Draftsman, Crane Co., 836 S. Michigan Ave., and *for mail*, 4940 N. Albany Ave., Chicago, Ill.
- *STARK, Willet E. (Junior, 1915), Capt., Co. "C," 5th Engrs., A. E. F., France, and *for mail*, 1714 E. 60th St., Cleveland, O.
- STARKEY, David W. (1918), Ch. Draftsman, Griffin Wheel Co., 445 N. Sacramento Blvd., and *for mail*, 5719 Race Ave., Chicago, Ill.
- STARKEY, L. Cheston (1916), Purchasing Agent, Penn. Forge Co., Ash & Bath Sts., and *for mail*, 4909 Penn St., Frankford, Philadelphia, Pa.
- STARKWEATHER, Wm. G. (1897), Member of Firm, Starkweather & Broadhurst, 53 State St., Boston, and 17 Gibson Rd., Newtonville, Mass.
- STARLING, H. Stanley (Junior, 1918), Asst. Material Inspc., Surveyor at Large, Bureau Veritas, 17 State St., New York, and *for mail*, 76 Christiana St., North Tonawanda, N. Y.
- STARR, Adolph (Associate-Member, 1917), Erecting Engr., Locomotive Superheater Co., 30 Church St., and *for mail*, 235 W. 102nd St., New York, N. Y.
- STARR, Frederick W. (1912), Asst. to Factory Mgr., The Fisk Rubber Co., Chicopee Falls, and *for mail*, 94 Somerset St., Springfield, Mass.
- STARR, John E. (1905), Pres., Starr Engrg. Co., 90 West St., and 12 Fifth Ave., New York, N. Y.
- STATES, L. A. (1917), Cons. Engr., Box 303, Gastonia, N. C.
- STAUDE, Edwin G. (1908; 1917), Pres., Genl. Mgr., E. G. Staude Mfg. Co., 2675 W. University Ave., St. Paul, and 1839 Kenwood Parkway, Minneapolis, Minn.
- STEALEY, Wm. G. (Associate-Member, 1917), Mech. Supt., British Cordite Co., Nobel, Ont., Canada.
- STEARNS, Harold E. (1914), Treas., Dominion Wadding Co., Ltd., and *for mail*, 8 McGregor St., Montreal, Canada.

- STEARNS, Karl T. (Associate-Member, 1917), Engrg. Dept., Am. Sheet & Tin Plate Co., and *for mail*, 200 N. Dithridge St., Pittsburgh, Pa.
- STEARNS, Thomas B. (1883), Vice-President, 1911-1913; Min. and M. E., 1720 California St., and 1218 Washington Ave., Denver, Colo.
- STEBBINS, Theodore (1903), 34 Gramercy Park, New York, N. Y.
- STEDMAN, Harold W. (Junior, 1917), Asst. Elec. Engr., Chase Co., Inc., and *for mail*, 36 Columbia Blvd., Waterbury, Conn.
- STEDMAN, J. E. (1912), 862 Roscoe St., Chicago, Ill.
- STEE, Reuben M. (Junior, 1913), Contr., Dakota Engrg. & Constr. Co., Valley City, N. D.
- STEELE, Ben W. (Junior, 1907), 522 Peachtree St., Atlanta, Ga.
- STEELE, Francis J., Jr. (Junior, 1918), Asst. Ch. Draftsman, 39 Broadway, New York, and *for mail*, 66 Scribner Ave., New Brighton, S. I., N. Y.
- STEELE, Walter D. (1892; 1901), V. P., Benamin Elec. Mfg. Co., 120-128 S. Sangamon St., Chicago, and 1121 Chestnut Ave., Wilmette, Ill.
- STEEN, Arthur B. (1903), The Texas Co., Houston, Tex.
- STEENSTRUP, P. S. (1906), Genl. Mgr., Genl. Motor Export Co., 1764 Broadway, New York, N. Y., and 23 Wayside Pl., Montclair, N. J.
- STEERE, Frank W. (Associate-Member, 1918), V. P. & Genl. Mgr., Steere Engrg. Co., Woodward & Horton Aves., Detroit, Mich.
- STEERE, Robert E. (1916), Mech. Supt., Lorraine Mfg. Co., and 522 West Ave., Pawtucket, R. I.
- STEINMETZ, Charles P. (1907), Ch. Cons. Engr., Genl. Elec. Co., and *for mail*, Wendall Ave., Schenectady, N. Y.
- STEINMETZ, Joseph A. (1914), Mem., Natnl. Research Council, Engrg. Div., 1023 16th St., Washington, D. C.; Mem. of Firm, Janney, Steinmetz & Co., Morris Bldg., 1421 Chestnut St., Philadelphia, and 736 Westview Ave., Germantown, Philadelphia, Pa.
- *STEM, Clifford H. (Junior, 1916), 2nd Lieut., 101st Engrs., E. O. R. C., U. S. A., A. E. F., France.
- STEM, Frank B. (1915), Engr. of Production, Day & Zimmermann, 611 Chestnut St., and *for mail*, 234 E. Durham St., Philadelphia, Pa.
- STENBOL, Carl (Associate-Member, 1913), Mech. Supt., The Algoma Steel Co., and 167 Simpson St., Sault Ste. Marie, Ont., Canada.
- STENGER, Johannes G. (1918), Ch. Draughtsman, Marine Dept., The Babcock & Wilcox Co., Bayonne, N. J.
- STENKEN, Harry A. (Junior, 1918), Asst. Engr., Am. Sugar Ref. Co., Washington & Essex Sts., and *for mail*, 2672 Boulevard, Jersey City, N. J.
- *STEPANEK, Emil (Junior, 1916), Ord. Sergt., Ord. Det., 333rd F. A., A. E. F., and *for mail*, 2448 Millard Ave., Chicago, Ill.
- STEPHEN, Charles W. (Associate-Member, 1916), M. E., Pratt. & Cady Co., 556 Capitol Ave., and *for mail*, 333 Washington St., Hartford, Conn.
- STEPHENS, Harry H. (Associate-Member, 1915), Wks. Mgr., Gillespie Mfg. Corp'n., 12th and Monmouth Sts., Jersey City, and 340 12th Ave., Paterson, N. J.
- STEPHENS, Phinehas V. (1910), Cons. Engr., 1238 Morris Ave., New York, N. Y.
- STEPHENS, Thomas S. (1914), Mchy. Salesman, Manning, Maxwell & Moore, Inc., 119 W. 40th St., New York, N. Y., and 406 Prospect St., Cranford, N. J.
- STEPHENS, Willis C. (Associate-Member, 1914), 180 Chandler St., Buffalo, N. Y.

- STEPHENSON, Hermann (Junior, 1909), Eastman Kodak Co., Kodak Pk. Wks., and 81 S. Fitzburgh St., Rochester, N. Y.
- STERLING, Claude H. (Junior, 1916), Ch. Engr., Winther Motor Truck Co., Winthrop Harbor, Ill., and *for mail*, 613 S. Chicago St., Kenosha, Wis.
- STERN, Joseph H. (Junior, 1917), Tool Designer, Stand. Aero Corp'n., Elizabeth, and *for mail*, 106 Center St., Garwood, N. J.
- STERNER, Edward J. (Junior, 1913), 26 S. Tenth Ave., Bethlehem, Pa.
- STETSON, George W. (Associate, 1918), Sales Agt., Power Plant Equip., 141 Milk St., Boston, Mass.
- *STETSON, John B., Jr. (Associate, 1917), Aviation Sec., Signal Corps. U. S. A.; Pres., Defiance Mfg. Co., and *for mail*, care of John B. Stetson Co., 5th and Montgomery Ave., Philadelphia, Pa.
- STEVENS, Alfred H. (1898; 1903), Partner, Stevens Bros., 149 Broadway, New York, and *for mail*, 400 Ninth St., Brooklyn, N. Y.
- STEVENS, Burt D. (1912), V. P., M. E., Miehle Ptg. Press & Mfg. Co., 14th and Robey Sts., Chicago, and 2502 Park Pl., Evanston, Ill.
- STEVENS, Everett M. (Associate-Member, 1915), New England Agt., Nashua Mch. Co., 127 Federal St., Boston, and 63 Hillsdale Rd., Medford Hillside, Mass.
- STEVENS, Harold L. (Associate, 1904), Dist. Sales Mgr., Lackawanna Steel Co., 40 Central St., Boston, Mass.
- STEVENS, John A. (1902), Manager, 1915-1918; Cons. Engr., 8 Merri-mack St., and 78 Hanks St., Lowell, Mass.
- STEVENS, R. C. (1890; 1906), Ch. Engr., Skinner Eng. Co., and *for mail*, R. F. D. 1, Lincoln Rd., Erie, Pa.
- STEVENS, Ray P. (1916), Pres., Mahoning & Shenango Ry. & Light Co., Youngstown, O.; V. P. and Engrg. Mgr., Republic Ry. & Light Co., 60 Broadway, New York, and *for mail*, 9233 Shore Road, Bay Ridge, Brooklyn, N. Y.
- STEVENS, Robert H. (1903; 1912), Partner, Stevens Bros., 149 Broadway, New York, and Larchmont, N. Y.
- STEVENS, Sidney (1910), V. P., Ludlow Mfg. Associates, 111 Devonshire St., Boston, and 1 Mason St., Brookline, Mass.
- STEVENS, Wm. N. (Junior, 1886), Stevens-Aylsworth Co., 90 West St., New York, N. Y.
- STEVENS, Wm. Nelson (1917), M.E., Gisholt Mch. Tool Co., E. Washington Ave., and *for mail*, 1330 Morrison St., Madison, Wis.
- STEVENSON, A. A. (1888), V. P. & Engr., Stand. Steel Wks. Co., 1103 Morris Bldg., Philadelphia, and *for mail*, 201 Kent Rd., Ardmore, Pa.
- STEVENSON, Arthur J. (Associate-Member, 1918), Du Pont Engrg. Interests, Nashville, Tenn., and *for mail*, 615 Sunnyside Ave., East Pittsburgh, Pa.
- STEVENSON, Barton (Associate, 1914), Mgr. Power & Railway Depts., Westinghouse Elec. & Mfg. Co., 1702 Union Bank Bldg., and 5548 Darlington Rd., Pittsburg, Pa.
- STEVENSON, C. Maxwell (1918), 18-28 Rapelyea St., and *for mail*, 136 Columbia Hgts., Bklyn, N. Y.
- STEVENSON, Louis T. (Junior, 1907), Treas., Mgr., Mountain Mill Paper Co., Lee, and *for mail*, 28 Reed St., Pittsfield, Mass.
- STEVENSON, William H. (1915), Secy., Power Plant Spec. Co., 53 W. Jackson Blvd., Chicago, and 604 S. Euclid Ave., Oak Park, Ill.
- STEWART, George H. (1912), Charge of Designing, Supt. Constr. of Mchs., L. & J. A. Stewart, and *for mail*, 74 Park St., Rutland, Vt.
- STEWART, Andrew M. (Associate, 1917), Factory Mgr., The Natl. Supply Co., Sta. B, and *for mail*, 2159 Scottwood Ave., Toledo, O.

- STEWART, Charles A. (1912; Associate-Member, 1917), Pres. & Genl. Mgr., Stewart, Maxwell & Smith, Inc., 2 Rector St., New York, and 1140 Pacific St., Brooklyn, N. Y.
- STEWART, Earle H. (Junior, 1917), Instr. Mich. Agri. College, and *for mail*, P. O. Box 503, East Lansing, Mich.
- *STEWART, Harry M. (Junior, 1913), Sergeant, Motor Truck 375, Motor Supply Train 409, Q. C., U. S. A., Serv. Dept., Kelly-Springfield Motor Truck Co., and *for mail*, R. F. D. 9, Springfield, O.
- STEWART, Reid T. (1894), Prof. M. E., Univ. of Pittsburgh, and 1524 Shady Ave., Pittsburgh, Pa.
- STEWART, Samuel (1916), M. M., Republic Iron & Steel Co., Thomas, and *for mail*, 117 Front St., Thomas Sta., Birmingham, Ala.
- STEWART, Stanley P. (Associate-Member, 1914), Asst. Equip. Engr., Am. Intnl. Shipbldg. Corp'n., Hog Island, and *for mail*, 224 Park Ave., Swarthmore, Pa.
- STICHT, Wm. (Associate-Member, 1916), M. E., Am. Lead Pencil Co., Hoboken, and 311 34th St., Woodcliff-on-Hudson, N. J.
- STICKNEY, Charles A. (1913), Proprietor, Stickney & Montague, Chattanooga, Tenn., and *for mail*, 54 Franklin St., New York, N. Y.
- *STICKSEL, C. P. (Junior, 1916), Lieut., 24th Engrs., U. S. A., and *for mail*, c/o Am. Soc. M. E., 29 W. 39th St., New York, N. Y.
- STIEFEL, Ralph C. (1897), Engr., Ellwood City, Lawrence Co., Pa.
- STIERHOFF, George C. (Junior, 1918), Eng. Designer & Power Engr., Marine Dept. Riter Conley Mfg. Co., Fairfield, Baltimore Co., and *for mail*, 2911 Brighton St., Baltimore, Md.
- STILL, Frederick R. (1909), Vice Pres., Secy., Am. Blower Co., 1400 Russell St., and 209 Parker Ave., Detroit, Mich.
- STILLMAN, Austin F. (1907; 1912), V. P., Secy., Watson-Stillman Co., Aldene, and *for mail*, Hampton Hall, Cranford, N. J.
- STILLMAN, Edwin A. (Junior, 1908), Pres., Watson-Stillman Co., 50 Church St., and 115 E. 53rd St., New York, N. Y.
- STILLMAN, Howard (1895), M. E., Engr. of Tests, So. Pac. Co., 65 Market St., San Francisco, and 2430 Piedmont Ave., Berkeley, Cal.
- STILLMAN, Thomas B., Jr. (Junior, 1913), The Babcock & Wilcox Co., 85 Liberty St., New York, N. Y., and 730 Park Ave., Hoboken, N. J.
- STIMMEL, Fred C. (Associate-Member, 1915), Sales Mgr., The Casey-Hedges Co., and *for mail*, 519 Mable St., Chattanooga, Tenn.
- STIMMEL, Virgin B. (Junior, 1917), The McLaughlin Coal Reduction Co., and *for mail*, 1820 N. Union St., Decatur, Ill.
- STIMSON, Morris H. (1914), Plant Mgr., U. S. Radiator Corp., Dunkirk, and 63 Central Ave., Fredonia, N. Y.
- STINSON, Irving J. (Associate-Member, 1917), Estimator, B. H. Hibbard Cons. Co., 153 Arch St., New Britain, and *for mail*, 40 Downing St., New Haven, Conn.
- STINSON, John A. (Junior, 1918), Prod. Engr., Midvale Steel & Ord. Co., and *for mail*, 121 N. 60th St., Philadelphia, Pa.
- *STINSON, Karl W. (Junior, 1917), 2nd Lieut., Air Serv., Aeronautics, Sch. of Military Aeronautics, Princeton Univ., Princeton, N. J., and *for mail*, Hebron, O.
- STIRLING, Allan (1889), Manager, 1881-1884; Vice-President, 1885-1887; Life Member; Drexel Bldg., Philadelphia, and Pleasant Mt., Wayne Co., Pa.
- STITZER, Arthur B. (1917), Ch. Engr., Republic Engrs., Inc., 60 Broadway, New York, N. Y., and 32 Mountainview Ave., Orange, N. J.
- STIX, Lawrence C. (Junior, 1911), Inspec. of Eng. Material, U. S. N., Beacon, N. Y.

- *STOCKMAN, Erling B. (Junior, 1918), Ensign, R. O. Quarters "A," Rm. 413, U. S. Nav. Academy, Annapolis, Md.
- STOCKWELL, Rupert K. (1910; 1912), Gen. Sales Mgr., Robins Conveying Belt Co., 13 Park Row, New York, N. Y.
- STOCK, William A. (Associate, 1918), Patent Attorney, 210 Syndicate Bldg., Oakland, Cal.
- STODDARD, Charles H. (1917), Cons. Marine Engr., Heine Safety Boiler Co., Phoenixville, Pa.
- STODDARD, Clifford J. (1915), Ch. Inspr., Employers' Liability Assurance Corp., 40 Central St., Boston, and *for mail*, 156 Powder House Blvd., West Somerville, Mass.
- STODDARD, Elgin (1911), V. P., Chas. C. Moore & Co., Engrs., Sheldon Bldg., San Francisco, and 144 Bonita Ave., Piedmont P. O., Oakland, Cal.
- STODDARD, Elliott J. (1909), R. A. Parker, 603-607 Moffat Bldg., and 329 Monterey Ave., H. P., Detroit, Mich.
- STODDARD, Geo. H. (1897), Treas., Mgr., Quincy Market Cold Storage & Warehouse Co., 133 Commercial St., and 197 Beacon St., Boston, Mass.
- STOELTZING, Harry E. (1916), Asst. Supt. Power, Brooklyn Rapid Transit System, 85 Clinton St., Brooklyn, and 119 Vanderveen Pl., Woodhaven, N. Y.
- STOKOE, James (1910), M.E., Sinclair Refining Co., Conway Bldg., and *for mail*, 1713 W. 99th St., Chicago, Ill.
- *STOLBERG, Charles A. (Associate, 1918), Major, Ord. Dept., U. S. A., Maxwell Motor Co., No. 2, Dayton, and *for mail*, 1439 Cleveland Ave., N. W., Canton, Ohio.
- STOLBERG, Emil C. (1917), Asst. Engr. Improvement Dept., Am. Car & Fdy. Co., 1108 Syndicate Trust Bldg., and *for mail*, 3419 Park Ave., St. Louis, Mo.
- STOLL, Clarence G. (1918), Tech. Supt., West. Elec. Co., Hamilton Sta., Chicago, Ill.
- STOLL, John, Jr. (Junior, 1916), Engr. Rate Dept., Remington Arms U. M. C. Co., Inc., Boston & Seaview Aves., Bridgeport, and *for mail*, 480 Thompson Ave., Stratford, Conn.
- STONE, Charles A. (1914), Mem. of Firm, Stone & Webster Engrg. Corp., Pres., Am. Internatl. Corp'n., 120 Broadway, and 907 5th Ave., New York, N. Y.
- STONE, Charles W. (1907), Cons. Engr., Genl. Elec. Co., and 18 State St., Schenectady, N. Y.
- STONE, E. Wadsworth (1915; Associate-Member, 1918), Mgr., Serv. Dept., Intertype Corp'n., Foot Montague St., and *for mail*, 725 Kenmore Pl., Brooklyn, N. Y.
- STONE, Edison H. (Junior, 1912), Purchasing Dept., The Lunkenheimer Co., P. O. Box 876, and *for mail*, 229 Forest Ave., Cincinnati, O.
- STONE, J. Wheaton (1898), Treas., Mgr., The East. Mchy. Co., and 326 Fountain St., New Haven, Conn.
- STONE, Julius F. (1917), Pres., The Seagrave Co., Columbus, O.
- STONE, Louis L. (1914), Mgr., Wabash Portland Cement Co., 1824 Ford Bldg., and 41 E. Palmer Ave., Detroit, Mich.
- *STONE, Mason A., Jr. (Junior, 1907), Capt., Ord., U. S. A., Co. "C," Prov. Ord. Battn., Erie Proving Ground, Ottawa Co., O., and 147 4th St., Staten Island, N. Y.
- STONE, Roy L. (1917), Power Dept., Du Pont Engrg. Co., 627 Stahlman Bldg., Nashville, Tenn.
- STONE, Thomas W. (1903; 1916), Ch. Engr., Western Gas Constr. Co., 1429 Buchanan St., and 919 Columbia Ave., Fort Wayne, Ind.

- STONE, William G. (1915), Whitesboro, Oneida Co., N. Y.
- STOOP, William J. (1915), Genl. Engr., Whitaker-Glessner Co., Wheeling, and Orchard Ave., Woodsdale, Wheeling, W. Va.
- STORER, Norman W. (1912), Genl. Engr., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and *for mail*, 6109 Howe St., Pittsburgh, Pa.
- STOREY, Norman C. (Associate-Member, 1918), Mech. Supt., Aquirre Sugar Co., Aquirre, Porto Rico.
- STORK, Wilford L. (Junior, 1914), Michigan Motor Castings Co., and *for mail*, 505 E. 4th St., Flint, Mich.
- STORMS, Frank F. (1915), Pres., Genl. Mgr., Page-Storms Drop Forge Co., Chicopee, and *for mail*, 50 Spruceland Ave., Springfield, Mass.
- STORRS, Lucius S. (1914), Pres., The Conn. Co., and Hotel Taft, New Haven, Conn.
- *STOVEL, Russell W. (1902; 1907), Major, Amer. Exped. Forces, France, Managing Engr., Gibbs & Hill, Pa. Sta., New York, N. Y., and *for mail*, 48 Watchung Ave., Montclair, N. J.
- STOWELL, Byron F. (1913), M.E., Hendee Mfg. Co., and 79 Dawes St., Springfield, Mass.
- STOWELL, Howard E. (Junior, 1914), Research Dept., The Carborundum Co., and 1128 Haeberle Ave., Niagara Falls, N. Y.
- STRACHAN, John E. (1915), Shop Supt., The Midvale Steel Co., Nicetown, Philadelphia, and *for mail*, 5225 Wissahickon Ave., Germantown, Philadelphia, Pa.
- STRADER, Roland H. (Junior, 1915), Asst. to Supt., Stan. Gas Light Co., 115th St. & E. River, New York, and *for mail*, 710 Chauncey St., Brooklyn, N. Y.
- *STRAHLMANN, Otto E. (Junior, 1916), 1st Lieut., Air Service (Production), U. S. A., Air Service Mech. School, St. Paul, Minn.
- STRALE, Nels W. (Junior, 1914), Peoples Gas Light & Coke Co., Rm. 1711 Peoples Gas Bldg., and 6437 Kenwood Ave., Chicago, Ill.
- STRATTON, David V. (Associate, 1918), Ind. Engr., 347 Madison Ave., and *for mail*, 620 W. 122nd St., New York, N. Y.
- STRATTON, E. Platt (1883), Engr., Naval Arch., 80 Broad St., New York, and Ninth Ave. and 13th St., College Point, Bor. of Queens, N. Y.
- STRATTON, Harry F. (Junior, 1904), V. P., Ch. Engr., The Elec. Controller & Mfg. Co., Cleveland, O.
- STRATTON, James H. (1906), Engr. of Constr., Wellman-Seaver-Morgan Co., 7000 Central Ave., and 1871 E. 81st St., Cleveland, O.
- STRATTON, John F. O. (1914), Care of Illinois Athletic Club, 112 S. Michigan Blvd., Chicago, Ill.
- STRATTON, Samuel W. (1913), Dir. Bureau of Standards, Dept. of Commerce, and The Farragut, Washington, D. C.
- STRAUB, Albert A. (Junior, 1911), Stoker Engr. Dept., Westinghouse Elec. & Mfg. Co., Machine Wks., East Pittsburgh, and *for mail*, 301 Elysian St., Pittsburgh, Pa.
- STRAUB, C. Lee (1911), 124 Longhill St., Springfield, Mass.
- STRAUB, Harry L. (1915), V. P., Chesapeake Elec. Co., Inc., 205 N. Calvert St., and 3920 Carlisle Ave., Baltimore, Md.
- STRAUB, Theodore A. (1913), V. P., Genl. Mgr., Fort Pitt Bridge Wks., 510 House Bldg., Smithfield and Water Sts., Pittsburgh, Pa.
- STRAUS, William R. (Junior, 1913), Supt. Rolling Mills, Baltimore Copper Wks., and 1812 Eutaw Pl., Baltimore, Md.
- *STRAUSS, Jerome (Junior, 1916), 1st Lieut., Ord. Dept., U. S. A., 318 First Natnl. Bank Bldg., and *for mail*, 535 Cass St., Milwaukee, Wis.
- STRAUSS, Julian B. (1910), M. E., 328 Cangallo, Buenos Aires, S. A.

- STRAUSS, William O. (Associate-Member, 1914), Adv. Mgr., Engr., The R. K. LeBlond Mch. Tool Co., 4609 Eastern Ave., Cincinnati, O.
- STREET, Clement F. (1893), V. P., Loco. Stoker Co., 50 Church St., and 472 Willard Ave., Pelham Manor, New York, N. Y.
- STREET, George L., Jr. (1916), V. P., J. R. Johnson & Co., Inc., P. O. Box 515, and Cary St. Rd., Richmond, Va.
- STREETER, Claude O. (Associate-Member, 1915), Production Mgr. & Cons. Engr., Graton & Knight Mfg. Co., 344 Franklin St., Worcester, and North Grafton, Mass.
- STREETER, Lafayette P. (1902; Associate, 1903), Air Brake Engr., Ill. Central R. R. Co., 135 E. 11th Pl., and *for mail*, 4818 Dorchester Ave., Chicago, Ill.
- *STREETER, Robert L. (1907; 1913), Major, Ord. Dept., N. A., Rock Island Arsenal, Rock Island, Ill.
- STREIFF, Abraham (1916), Mem., Fargo Engrg. Co., Commonwealth Bldg., and 207 Third St., Jackson, Mich.
- STRENG, Lewis S. (1917), Supt. Elec. Dept., Louisville Gas & Elec. Co., 311 W. Chestnut St., and *for mail*, 408 Kensington Ct., Louisville, Ky.
- STRICKLAND, Frank S. (Associate, 1918), Piece Work & Time Study Engr., N. E. Westinghouse Co., Springfield, and *for mail*, 11 Washington St., Chicopee Falls, Mass.
- *STRING, Joseph S. (Junior, 1907), Maj., Ord., U. S. A., New York, N. Y., and *for mail*, 130 Arlington Ave., East Orange, N. J.
- STRINGFELLOW, Henry A. (Associate-Member, 1915), 1st Asst. Engr., R. Winthrop Pratt; Cons. Engr., 232 Jefferson Ave., and *for mail*, 381 John R. St., Detroit, Mich.
- *STRINGHAM, Joseph S. (1903), Capt., Ord. Dept., U. S. A., Ch. Inspc., Rock Island Arsenal, Rock Island, Ill., and *for mail*, 275 Seminole Ave., Detroit, Mich.
- STRIPE, William C. (Associate-Member, 1916), Mgr. Stoker Dept., George J. Hogan Co., Peoples Bank Bldg., Pittsburgh, and *for mail*, Savoy Apts., Coal & Rebecca Ave., Wilkesburg, Pa.
- STROBEL, Victor O. (1892), Genl. Mgr. Crane Dept., Niles-Bement-Pond Co., Mifflin and Meadow Sts., and 1537 Pine St., Philadelphia, Pa.
- STROM, Carl A. (1905), Mgr., Am. Loco. Co., Paterson, N. J.
- STROMGREN, Charles D. (Associate-Member, 1918), Supt. & Principal, Y. M. C. A. Automobile & Mech. Sch., 731 S. Hope St., and *for mail*, 2515 Raymond Ave., Los Angeles, Cal.
- STRONG, Arthur P. (Junior, 1914), Designing Engr., Green Engrg. Co., East Chicago, Ind., and *for mail*, 7014 Crandon Ave., Chicago, Ill.
- STROTHMAN, Louis E. (1909), Mgr. Pumping Eng. and Steam Turbine Depts., Allis-Chalmers Mfg. Co., and 835 Summit Ave., Milwaukee, Wis.
- STROTT, J. Charles (Junior, 1916), Equip. Div., Sig. Corps, Chem. Sec., Washington, D. C., and *for mail*, 2211 W. Fayette St., Baltimore, Md.
- STROUD, Edwin G. (1901; 1914), Pres., Cleveland Engrg. Agency Co.; Pres., E. G. Stroud Co., 1004 Rose Bldg., Cleveland, and 235 Clark St., Berea, O.
- STROUD, W. Franklin, Jr. (Junior, 1917), Asst. Supt., Atlantic Refining Co., Power Dept., 3144 Passyunk Ave., Philadelphia, Pa., and *for mail*, 123 Chestnut St., Moorestown, N. J.
- STROUSE, Sidney B. (1909; Associate-Member, 1918), Genl. Engrg. Practice, 429 Guarantee Trust Bldg., and 140 S. Maryland Ave., Atlantic City, N. J.
- STRUBLE, George W. (Associate-Member, 1917), Genl. Supt. Reding-

- ton Plants Ordnance Dept., Bethlehem Steel Co., South Bethlehem, and for mail, 409 E. Union St., Bethlehem, Pa.
- STRUCK, Henry W. (Junior, 1918), Mech. Designer, Stone & Webster, and for mail, 1024 Commonwealth Ave., Boston, Mass.
- STRUCKMANN, Edwin (1913), Supt., Hawkeye Portland Cement Co., and 3408 Iola St., Des Moines, Ia.
- STRUCKMANN, Holger (1909), Pres., Genl. Mgr., Cuban Portland Cement Co., 347 Madison Ave., and 490 Riverside Drive, New York, N. Y.
- STRUTHERS, Royden T. (Associate-Member, 1917), Efficiency Engr., Fuel Engrg. Co., 106 E. 19th St., and for mail, 376 E. 136th St., New York, N. Y.
- STUART, Charles J. (Associate-Member, 1918), M.E., U. S. Rubber Co., 1790 Broadway, New York, N. Y., and for mail, 368 Norton St., New Haven, Conn.
- STUART, H. Howland (Junior, 1917), Asst. to Factory Supt., E. & T. Fairbanks & Co., and for mail, 6 Clinton St., St. Johnsbury, Vt.
- STUART, Milton C. (1912; 1918), M.E., U. S. Naval Engrg. Exper. Sta., and 3 Murray Ave., Annapolis, Md.
- STUART, Thomas E. (1916), Cons. Engr., Alliance Potash Co., Alliance, Neb., and for mail, 3300 Ave. B., Council Bluffs, Ia.
- STUART, William K. (Associate, 1918), Secy. & Treas., Koppel Industrial Car & Equip. Co., Koppel, Beaver Co., and Hotel Chatham, 423 Penn Ave., Pittsburgh, Pa.
- STUBBLEBINE, Winfred A. (1911), Ch. Engr., Lehigh Stoker Co., Fullerton, and for mail, 1629 Turner St., Allentown, Pa.
- STUBBS, Frederick W. (1915), M. E., Chicago Great West. R. R. Co., and for mail, 303 First Ave., E., Oelwein, Ia.
- *STUBER, Adolph (Associate-Member, 1917), 1st Lieut., Sig. Corps, War Dept., Washington, D. C.; Efficiency Engr., Camera Wks., Eastman Kodak Co., 333 State St., Rochester, N. Y.
- STUCKEMAN, Herman S. (Associate-Member, 1917), Asst. M.E., Am. Fdy. & Constr. Co., Pittsburgh, and for mail, 3066 Pinehurst Ave., Dormont Boro., Pittsburgh, Pa.
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- TENNEY, Edward H. (1912), Asst. Ch. Engr. of Power Plants, Union Elec. Light & Power Co., 12th & Locust Sts., St. Louis, and 546 Oakwood Ave., Webster Groves, Mo.
- TENNEY, Lewis C. (1914), Engrg. Dept., Lincoln Motor Co., and *for mail*, 119 Richton Ave., H. P., Detroit, Mich.
- TENNEY, Theodore S. (1910), Cons. Engr., Tenney & Ohmes, 101 Park Ave., New York, N. Y., and Riveredge, N. J.
- *TERRIBERRY, G. Gilson (Junior, 1917), Candidate, F. A., C. O. T. S., Officers' Training Camp, 12th Training Battery, Camp Taylor, Ky.; Mech. Engr., Niles Tool Wks., Niles-Bement-Pond Co., Hamilton, O.
- *TERRY, Carlyle M. (Junior, 1918), Ch. Machinist's Mate, U. S. N., and *for mail*, 7 Revere Pl., Brooklyn, N. Y.
- TERRY, Charles D. (1902; 1908), Asst. to Genl. Supt., Natl. Tube Co., 1706 Frick Bldg., and *for mail*, 4251 Parkman Ave., Pittsburgh, Pa.
- TERRY, Killey E., Jr. (1914), Supt. of Power, S. D. Warren & Co., Cumberland Mills, Me.
- *TERRY, M. Victor (Junior, 1915), Capt., E. O. R. C., Acting Supt., Pan Motor Co., St. Cloud, Minn.
- TERWILLIGER, David M. (Associate-Member, 1917), Asst. Test Engr., Du Pont Engrg. Co., Wilmington, Del., and *for mail*, P. O. 251 Jacksonville, Tenn.
- TERWILLIGER, Harry L. (Associate, 1901), Secy., Genl. Mgr., Ingersoll-Rand Co. of Cal., 710 Rialto Bldg., San Francisco, and 575 Embarcadero Rd., Palo Alto, Cal.
- TERZIAN, H. G. (Junior, 1915), Engrg. Asst., Syracuse Ltg. Co., and *for mail*, 726 University Ave., Syracuse, N. Y.
- TECHAN, Walter F. (1918), Pres. & Genl. Mgr., Milwaukee Concrete Mixer Co., 955 30th St., and *for mail*, 1170 Lake Drive, Milwaukee, Wis.

- THAL, Samuel W. (Junior, 1917), M.E., Mech. Mfg. Co., Union Stock Yards, 39th & Loomis Sts., and *for mail*, 70 E. 57th St., Chicago, Ill.
- THALEG, Oscar E. (1918), Dist. Sales Mgr., Power & Mining Dept., Worthington Pump & Mchy. Corp'n., 825 Old Colony Bldg., Chicago, and *for mail*, 617 Greenleaf Ave., Wilmette, Ill.
- THANISCH, Rudolph J. (1914), 227 Park St., West Roxbury, Mass.
- THAYER, Abbot A. (1916), Secy., Treas., Oakley Mch. Tool Co., Oakley, and 9 Linton St., Mt. Auburn, Cincinnati, O.
- THAYER, Paul W. (Associate-Member, 1918), Williams Bros., Boiler & Mfg. Co., Miccollet Island, and *for mail*, 2808 Freemont Ave., S., Minneapolis, Minn.
- THAYER, Robert E. (Junior, 1911), Mech. Dept. Editor, *Ry. Age Gazette*, 2201 Woolworth Bldg., New York, N. Y., and 70 Doremus Ave., Ridgewood, N. J.
- *THEE, Walter C. (Junior, 1918), Capt., C. A. C., 69th Regt., A. E. F., France, and *for mail*, Adjutant General's Dept., Washington, D. C.; also 55 E. 32nd St., Kansas City, Mo.
- THIEMER, William H. (1911), M.E., Peters Mch. & Mfg. Co., 74th & West Madison St., and *for mail*, 9519 Willard Ave., Cleveland, O.
- THIERINGER, Herman (Junior, 1918), Asst. Supt., Bloomfield Shops, Power Specialty Co., 111 Broadway, New York, N. Y., and 80 N. Fullerton Ave., Montclair, N. J.
- THOM, G. W. (Associate-Member, 1914), M.E., Combined Locks Paper Co., Combined Locks, 558 College Ave., Appleton, Wis.
- THOMA, Andrew M. (Associate-Member, 1918), Engr., Canady-Blaisdell Co., 90 West St., and *for mail*, 493 Amsterdam Ave., New York, N. Y.
- THOMA, Charles, Jr. (1910; Associate-Member, 1914), Cons. Engr., E. W. Bliss Co., 53rd St., Brooklyn, N. Y., and *for mail*, 322 8th St., Carlstadt, N. J.
- THOMA, Walter (1910; Associate-Member, 1914), Ch. of Inspc., E. W. Bliss Co., 17 Adams St., Brooklyn, N. Y., and *for mail*, 322 Eighth St., Carlstadt, N. J.
- THOMAS, Albert C. (Associate-Member, 1915), Equip. Supt., Liquid Air Dept., U. S. Nitrate Plant No. 2, Muscle Shoals, Ala.
- THOMAS, Carl C. (1908), Mgr. Mchy. Fabrication, Am. Intl. Shipbuilding Corp'n., Hog Island, and *for mail*, Buckingham Apts., Walnut & 45th Sts., Philadelphia, Pa.
- THOMAS, Charles W. (1888), Lieut. (s. g.), U. S. N. R. F., Engr. Officer, Nav. Tr. Sta., Pelham Bay Park; Asst. Prof. M. E., Columbia Univ., New York, N. Y., and *for mail*, Highwood, Bergen Co., N. J.
- THOMAS, David G. (1909), Cons. Engr., The Denver Union Water Co., 1654 Broadway, and *for mail*, Hotel Metropole, Denver, Colo.
- THOMAS, Edward G. (1890; 1907), Service Engr., Toledo Scale Co., and 213 Floyd St., Toledo, O.
- THOMAS, Edward W. (1880), Agt., Boott Mills, and *for mail*, 111 Stevens St., Lowell, Mass.
- *THOMAS, Felix (Junior, 1914), 1st Lieut., Motor Equip. Sec., O. D., Carriage Div., U. S. R., and *for mail*, care of Kerr, Page, Cooper & Hayward, 55 Liberty St., New York, N. Y.
- THOMAS, Fred H. (Junior, 1909), Sales Engr., The C. & G. Cooper Co., and Curtis Hotel, Mt. Vernon, O.
- THOMAS, George B. (1914), M. E., Bryant Elec. Co., 1421 State St., and 125 Lenox Ave., Bridgeport, Conn.
- THOMAS, George C. (1907; 1914), Asst. Genl. Supt., The United Shoe Mchy. Corp'n., 205 Lincoln St., Boston, and *for mail*, 15 Hardy Rd., Swampscott, Mass.
- THOMAS, George J. (Associate-Member, 1918), Ch. Engr., Duplex Truck

- Co., Washington & Mt. Hope Aves., and 204 Mt. Hope Ave., Lansing, Mich.
- THOMAS, Glegge (Junior, 1910), B. F. Sturtevant Co., 1006 Wash. Loan and Trust Bldg., and *for mail*, 605 Upshur St., N. W., Washington, D. C.
- THOMAS, Horace T. (1909), Life Member; Ch. Engr., Reo Motor Car Co., and 114 Walnut St., S., Lansing, Mich.
- THOMAS, Hugh K. (1915), Asst. Genl. Mgr., Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., and 618 West Delavan Ave., Buffalo, N. Y.
- THOMAS, James W. (1905), Engr., United Gas & Elec. Engrg. Corp'n., 61 Broadway, and 419 W. 119th St., New York, N. Y.
- *THOMAS, John M. (Junior, 1915), 1st Lieut., Ord., U. S. A., Div. of Military Aeronautics, Tech. Sec., Dayton, O., and *for mail*, 825 N. 6th St., Vincennes, Ind.
- THOMAS, Leon I. (Associate-Member, 1916), Managing Editor, Factory, A. W. Shaw Co., 5 N. Wabash Ave., Chicago, and 700 N. Grove Ave., Oak Park, Ill.
- THOMAS, Oscar A. (Junior, 1917), Ch. Inspr., Ord. Dept., U. S. A., N. Y. Arsenal, Governors Island, and *for mail*, 2161 Cropsey Ave., Brooklyn, N. Y.
- THOMAS, Percy H. (1916), Cons. Elec. Engr., 120 Broadway, New York, N. Y., and 346 Park St., Upper Montclair, N. J.
- THOMAS, Raymond H. (Junior, 1914), Engrg. Dept., Birmingham Iron Fdy., and *for mail*, 323 Olivia St., Derby, Conn.
- THOMAS, Stephen (Junior, 1916), Engr., E. I. du Pont de Nemours & Co., Du Pont Bldg., and *for mail*, 1704 Broome St., Wilmington, Del.
- THOMAS, Walter H. (1913), Brightside Wks., Sheffield, England.
- THOMAS, William P. (Associate-Member, 1918), Ch. Engr., H. G. Vogel Co., 487 Broadway, New York, N. Y.
- THOMAS, William R. (1913), M. E., Supt., E. D. Jones & Sons Co., 25 Depot St., and *for mail*, 183 Bartlett Ave., Pittsfield, Mass.
- *THOMAS, Winthrop G. (Junior, 1916), 1st Lieut., Radio Div., Office Ch. Signal Officer, Signal Corps, U. S. A.; 1842 Calvert St., N. W., Washington, D. C., and 133 W. 73rd St., New York, N. Y.
- THOMPSON, Albert W. (1900; 1907), V. P., Parks-Cramer Co., Rm. 1102, Old South Bldg., Boston, and 205 Fairmount St., Lowell, Mass.
- THOMPSON, Burt D. (Associate-Member, 1915), Mch. Tool Salesman, The Chas. A. Strelinger Co., 43-51 E. Larned St., and 374 W. Euclid Ave., Detroit, Mich.
- THOMPSON, Byron L. (Associate, 1908), Operating Mgr. Potash Mfg., The Solvay Process Co., and 610 Allen St., Syracuse, N. Y.
- THOMPSON, Charles F. (1915), Maintenance Engr., The Aultman & Taylor Mchy. Co., and *for mail*, P. O. Box 68, Mansfield, O.
- THOMPSON, Dwinel B. (Associate-Member, 1917), Asst. Engr., N. Y. Central R. R., Grand Central Terminal, and *for mail*, 854 W. 181st St., New York, N. Y.
- THOMPSON, Erwin W. (1884), Am. Commercial Attaché, Bureau of Foreign and Domestic Commerce, Washington, D. C.
- THOMPSON, Fredrick S. (1913), Ch. Engr., Hartford Mch. Screw Co., and *for mail*, 219 Ridgefield St., Hartford, Conn.
- THOMPSON, Henry P. (Associate-Member, 1914), Sales Engr., Harrison Safety Boiler Wks., 703 Mercantile Library Bldg., and 2760 Madison Rd., Hyde Park, Cincinnati, O.
- *THOMPSON, Herbert L. (Junior, 1912), Ensign, U. S. N. R. F., Submarine Unit, 10th Regt., U. S. N. Nav. Training Camp, Pelham Bay Park, New York, N. Y.; Sales Engr., Ingersoll-Rand Co., 1010 Boatmen's Bank Bldg., St. Louis, Mo., and Hokah, Minn.

- THOMPSON, Herman E. (1917), Supt. Mech. Dept., Amoskeag Mfg. Co., and Franklin St., Manchester, N. H.
- THOMPSON, Hugh L. (1894), Cons. Engr., Waterbury, Conn.
- THOMPSON, Isaac T. (1916), Testing Elec. Engr., The Am. Well Wks., and *for mail*, 265 S. 4th St., Aurora, Ill.
- THOMPSON, James A. (1916), Mchv. Salesman, Darling Bros., Ltd., 120 Prime St., Montreal, Que., and *for mail*, 153 North St., Halifax, N. S., Canada.
- THOMPSON, Jesse L. (Junior, 1917), Asst. Supt. Power, Minnesota & Ontario Power Co., and *for mail*, Box 494, International Falls, Minn.
- THOMPSON, John I. (1918), Ch. Engr., H. Koppers Co., 820 Union Arcade Bldg., and 7070 Woodland Ave., Ben Avon, Pittsburgh, Pa.
- THOMPSON, John L. (1915), Supt. Engrg. and Inspec. Div., Travelers Ins. Co., and 219 Vine St., Hartford, Conn.
- *THOMPSON, John R. (1915), Capt., Engrs., U. S. A., A. E. F., France, Care of Military Post Office, Hoboken, N. J.
- *THOMPSON, Col. John T. (1915), U. S. A. (ret.), Advisory Engr. to Acting Ch. of Ord., in charge of Small Arms Div., Ord. Office, War Dept., and *for mail*, Apt. 728, 2400 16th St., N. W., Washington, D. C.
- THOMPSON, Nelson W. (1917), M.E., Shell Co. of Cal., 343 Sansome St., San Francisco, and *for mail*, 6019 Hillegass Ave., Oakland, Cal.
- THOMPSON, O. C. (1910; 1915), M.E., Wirebounds Corp'n., 19 W. 44th St, New York, and 94 Central Ave., White Plains, N. Y.
- *THOMPSON, Paul W. (Associate-Member, 1916), Capt., Ord. Dept., U. S. A., Inspec. Div., Plymouth Bldg., 2036 W. 22nd St., Cleveland, O.
- THOMPSON, Ralph C. (Associate-Member, 1916), 166 25th St., Elmhurst, L. I., N. Y.
- THOMPSON, Ralph E. (Associate-Member, 1914), Charge of Mfg., Gillette Safety Razor Co., 47 W. First St., Boston, and 428 Warren St., Brookline, Mass.
- *THOMPSON, Sanford E. (1909), Lieut. Col., Ord. Dept., U. S. A., Office of the Chief of Ord., Washington, D. C.; Cons. Engr., Thompson & Lichtner, 136 Federal St., Boston, and 1090 Walnut St., Newton Highlands, Mass.
- THOMPSON, Uldric, Jr. (Associate-Member, 1916), Pres., Uldric Thompson, Jr., Inc., Cons. & Industrial Engrs., Rm. 3314, 120 Broadway, and *for mail*, 136 W. 44th St., New York, N. Y.
- THOMPSON, Warren G. C. (Associate-Member, 1918), M.E., care D. G. Dery, Inc., Allentown Natl. Bk. Bldg., Allentown, Pa.
- THOMPSON, William G. (1918), M.E., The U. S. Graphite Co., Saginaw, Mich., and *for mail*, 590 Mt. Vernon Rd., Newark, O.
- THOMSEN, Raymond L. (Junior, 1918), Mgr. of Marine Dept., The Griscom-Russell Co., 90 West St., New York, N. Y.
- THOMSON, Clarke (Associate, 1917), Mgr., Clarke Thomson Research, 526 Land Title Bldg., Philadelphia, and Merion Sta., Mont. Co., Pa.
- THOMSON, Francis du P. (1892; 1899), Vice-President, The Hydraulic Gas Power Co., Foot S. Phelps St., and *for mail*, 514 Yale Ave., Youngstown, O.
- THOMSON, J. Stewart (Junior, 1901), Sales Engr., 95 Liberty St., New York, N. Y., and *for mail*, Great Notch, N. J.
- THOMSON, John (1887), Manager, 1892-1895; Pres., John Thomson Press Co., 253 Broadway, and Hotel St. Andrew, 72d St. and Broadway, New York, N. Y.
- THOMSON, P. Frescoln (Associate-Member, 1915), Mgr., Thomson Tool & Supply Co., 810 Odd Fellow Bldg., and 2418 Park Ave., Indianapolis, Ind.

- THOMSON, Samuel G. (1916), Engr., 125 Riverside Drive, New York, N. Y.
- THOMSON, T. Kennard (1907), D. Sc. Cons. Engr., 50 Church St., New York, and 1 Madeline Drive, Yonkers, N. Y.
- THORKELSON, Halsten J. (1911), Business Mgr., Univ. of Wis., and *for mail*, 1526 W. Washington Ave., Madison, Wis.
- THORN, Charles N. (Associate, 1910), Pres., Inter-Continental Mchy. Corp'n., 165 Broadway, New York, N. Y., and 109 Holly St., Cranford, N. J.
- THORNE, William H. (1884), M. E., Wm. Sellers & Co., Inc., 1600 Hamilton St., and *for mail*, 1700 Pine St., Philadelphia, Pa.
- *THORNHILL, Theodore W. (Junior, 1914), 1st Lieut., E. O. R. C., Co. "D," 37th Engrs., A. E. F., via New York.
- THORNTON, Henry W. (1918), Brig. Gen., Genl. Mgr., Great Eastern Ry., London, E. C., England.
- THORNTON, Wm. M. (1900), Prof. Applied Math., Dean Dept. of Engrg., Univ. of Va., Charlottesville, Va.
- THORNTON, William F. (1909), 257 Hathaday Lane, Wynnewood, Pa.
- THORP, George G. (1892; 1904), V. P., Ill. Steel Co., 208 S. La Salle St., Chicago, and 222 Lake St., Evanston, Ill.
- THORP, Joel R. (Junior, 1913), M. E. Steam Turbine Dept., Allis-Chalmers Mfg. Co., Milwaukee, and *for mail*, 575 68th Ave., West Allis, Wis.
- THORPE, George H. (Associate-Member, 1915), Rm. 311, 177 Church St., and Hotel Duncan, New Haven, Conn.
- THORPE, Robt. H. (1897), Cons. Engr., 4 Queen Victoria St., London, E. C., England.
- THORSBY, Karl J. (Associate-Member, 1916), Supt., Cal. Corrugated Culvert Co., 5th and Parker Sts., Berkeley, and 4101 Agua Vista St., Oakland, Cal.
- THROCKMORTON, George K. (Junior, 1911), Mgr. Elec. Merchandise, Sears, Roebuck & Co., and *for mail*, 3916 Jackson Blvd., Chicago, Ill.
- THULLEN, L. H. (1905), Genl. Mgr., Grand Rapids Brass Co., and 447 Terrace Ave., Grand Rapids, Mich.
- THUMAN, Frederic (1900), Life Member; Ch. Engr. & Dir., Humphreys & Glasgow, Ltd., 36 Victoria St., London, S. W., and 31 Campden Hill Court, Kensington, London, W., England.
- THURLOW, Oscar G. (1915), Ch. Engr., Ala. Power Co., and 1624 S. 13th St., Birmingham, Ala.
- THURN, Theodore (1904; 1909), Engr., Genl. Elec. Co., 23 Water St., Yokohama, Japan.
- *THURSTON, Edw. D., Jr. (1909; 1912), Lieut. (j. g.), U. S. N. R. F., U. S. N. Gas Eng. Sch., Columbia Univ., and *for mail*, 117th St. & Broadway, New York, N. Y.; Asst. Prof. M. E., Columbia Univ., 116th St. & B'dway, New York, and Crane Rd., Scarsdale, N. Y.
- THURSTON, George H. (1902), M. E., Constltd. Goldfields of South Africa, 8 Old Jewry, London, E. C., England.
- THURSTON, Walter R. (1913), Mgr., The Mine & Smelter Supply Co., 121 W. 2nd South St., and 1201 First Ave., Salt Lake City, Utah.
- TIBBALS, Geo. A. (1897), Secy., Treas., The Continental Iron Wks., West and Calyer Sts., and *for mail*, 148 Milton St., Brooklyn, N. Y.
- TIECHMANN, Henry F. (Junior, 1916), M.E., Lukens Steel Co., Box 106, and 1249 E. Lincoln Highway, Coatesville, Pa.
- TIETZE, William (Associate-Member, 1914), Ch. Engr., M. M., Cudahy Bros. Co., and *for mail*, 602 Armour Ave., Cudahy, Wis.
- TIETZEL, Albert M. (Junior, 1918), Designer, Coke Plant Wk., Cambria Steel Co., Genl. Office, and *for mail*, 17 Irene St., Johnstown, Pa.

- TIKALSKY, Francis P. (Associate-Member, 1918), Section Head in Mach. & Analysis Dept. of Planning Div., Western Elec. Co., Inc., Hawthorne, and *for mail*, 3212 S. Leavitt St., Chicago, Ill.
- TILDEN, James A. (1885), V. P., Genl. Mgr., Hersey Mfg. Co., South Boston, and 66 Beacon St., Hyde Park, Mass.
- TILLEY, John (1914), M. and E. E., Marc Eidlitz & Son, 30 E. 42nd St., New York, N. Y.
- TILLINGHAST, Wallace E. (Associate-Member, 1918), Managing Owner, Mass. Steam Spec. Co., 669 Park Ave., Auburn, R. I.
- TILLIS, H. Rhett (Junior, 1917), Ch. Engr., Phosphate Rock Dept., Am. Agri. Chem. Co., and *for mail*, Box 63, Pierce, Fla.
- TILLMAN, Richard H. (Associate-Member, 1915), Mgr. New Business Dept., Consld. Gas, Elec. Light & Power Co. of Baltimore, Lexington Bldg., and 4003 Brookline Ave., Baltimore, Md.
- TILLSON, Benjamin F. (1915; 1916), Head of Min. Dept., M. E., E. E., N. J. Zinc Co., Franklin, N. J.
- *TILSON, Howard (Junior, 1915), Capt., Ord. Dept., U. S. A., Frankford Arsenal, and 4521 Walnut St., Philadelphia, Pa.
- TILTON, Henry B. (1917), Supt. and Wks. Mgr., Morley Button Mfg. Co., Islington St., and *for mail*, 1229 South St., Portsmouth, N. H.
- TIMBIE, William H. (1912), Head of Dept. of Applied Sci., Wentworth Inst., Boston, and 27 Clark St., Newton Centre, Mass.
- TIMMIS, Walter S. (1906), Mem. of Firm, Timmis & Chapman, 315 Fifth Ave., New York, and Homer Lee and Hillside Aves., Jamaica Estates, L. I., N. Y.
- TIPLADY, John T. (1909), Supt., Canadian Westinghouse Co., Ltd., and 81 Proctor Blvd., Hamilton, Ont., Canada.
- TISSINGTON, Frank (Associate-Member, 1917), Mgr., Coleman Fare Box Co., Ltd., 1191 Bathurst, and 1542 Davenport St., Toronto, Ont., Canada.
- TITCOMB, George E. (1908), Sales Mgr., McMyler Interstate Co., 50 Church St., New York, and 1308 Caton Ave., Brooklyn, N. Y.
- TITUS, Forrest M. (1916), Foreign Rep., Am. Loco. Co., 30 Church St., New York, N. Y.
- TITUS, Warren H. (1916), 111 Blackstone Blvd., Providence, R. I.
- TIZLEY, Arthur J. (1918), Genl. Supt., E. F. Caldwell & Co., Inc., 36-40 W. 15th St., New York, and *for mail*, 15 Chester Court, Brooklyn, N. Y.
- TOBEY, Wm. L. (1890), M. E., Boston Engr. Co., 308 Atlantic Ave., Boston, and *for mail*, 74 Washington Ave., Winthrop, Mass.
- TOBIN, Robert P. (1909), Ch. Tech. Dept., Vacuum Oil Co., 61 Broadway, New York, N. Y., and 54 Roosevelt Ave., East Orange, N. J.
- TODD, Charles R. (Junior, 1917), Asst. Efficiency Engr., Olds Motor Co., and *for mail*, 1507 Genesee St., Lansing, Mich.
- TODD, James (1911), Pres., The Sterling Varnish Co., 528 Fulton Bldg., Pittsburgh, and Beaver St. and Academy Ave., Sewickley, Pa.
- TODD, Robert I. (1907), Pres., Genl. Mgr., Indianapolis Traction & Terminal Co., 901 Traction Terminal Bldg., and 1320 N. New Jersey St., Indianapolis, Ind.
- TOENSFELDT, Kurt (1918), Prin. Asst. M. E., St. Louis Water Wks., 34 Grand Ave., and 4739 St. Louis Ave., St. Louis, Mo.
- TOLLERTON, William J. (1915), Genl. Mech. Supt., Chicago, Rock Island & Pac. Ry. Co., 935 La Salle Sta., and 10502 S. Seeley Ave., Chicago, Ill.
- TOLSTED, Elmer B. (Associate-Member, 1918), Supvr. Engr., Independence Bureau, 137 So. Fifth St., Philadelphia, Pa.
- *TOLTZ, Max (1904), Manager, 1914-1917; Vice-President, 1917-1919;

- Maj., Engr. Corps., Supv. Engr., Genl. Hospital No. 2, Fort McHenry, Baltimore, Md.
- TOMLINES, Thomas L. (1914), Cons. Engr., 317 City Bank Bldg., and 163 Cambridge St., Syracuse, N. Y.
- *TOMLINSON, C. Sprague (Junior, 1917), Ord. Dept., U. S. A., U. S. Chem. Plant No. 4, Saltville, Va., and *for mail*, Perry, N. Y.
- TOMLINSON, Royal D. (1912), U. S. Alloys Corp., Sta. B, Buffalo, N. Y.
- TOMLINSON, William R. (Associate-Member, 1918), Wks. Mgr., Pratt & Whitney Co., Capitol Ave., and *for mail*, 441 Farmington Ave., Hartford, Conn.
- *TOMPKINS, Harold D. (Junior, 1917), Lieut., Co. C, 104th Field Signal Bat., Camp McClellan, Ala.; Engr., Smooth-On Mfg. Co., 572 Communipaw Ave., Jersey City, N. J.
- TOMPKINS, Samuel D. (Associate, 1898), Pres., Smooth-On Mfg. Co., 570 Communipaw Ave., Jersey City, N. J.
- TOMPKINS, Stonewall (1887; 1890), 129 Gregory Ave., Passaic, N. J.
- TOMS, Rollin T. (Associate, 1918), Foreman, Stock Tool Dept., Yale Towne Mfg. Co., Stamford, and *for mail*, Box 142, also Knickerbocker Ave., Springdale, Conn.
- TONEY, Perry S. (Junior, 1914), Engr., Neiler, Rich & Co., 1407 Manhattan Bldg., Chicago, Ill.
- TONKIN, Ellsworth (Associate-Member, 1913), Asst. Supt., Aircraft Div., Union Switch & Signal Co., and *for mail*, 7244½ McClure Ave., Swissvale, Pa.
- TONNE, Herman A. (Associate-Member, 1917), Mch. & Tool Designer, Brown-Chapin Co., Marcellus & Seneca Sts., and *for mail*, 1081 W. Onondaga St., Syracuse, N. Y.
- TOPPIN, John M. (Junior, 1915), M. E., Cons. Engr., 21 Livingstone Ave., Pittsfield, Mass.
- TOPPING, Howell (1914), Asst. Engr., Engrg. Dept., E. I. du Pont de Nemours & Co., Pennsgrove, N. J., and *for mail*, 1319 W. 8th St., Wilmington, Del.
- TORNBERG, Isidor (Associate-Member, 1917), Asst. Ch. Draftsman, R. Hoe & Co., 504 Grand St., New York, and 30 Bay 35th St., Bensonhurst, L. I., N. Y.
- TORRANCE, Henry, Jr. (1897; 1902), V. P., Treas., Carbondale Mch. Co., 50 Church St., and 112 E. 17th St., New York, N. Y.
- TOUCEY, Ralph E. (Junior, 1913), Bridgeport Brass Co., and *for mail*, 289 Maple St., Bridgeport, Conn.
- *TOUR, Reuben S. (Associate-Member, 1917), Capt., Ord. Dept., U. S. A., Govt. Nitrate Plant No. 1, Sheffield, Ala.
- TOURNIER, Edward J. (Associate-Member, 1918), Div. Engr., Air Nitrates Corp'n., 469 5th Ave., New York, N. Y., and 110 Clinton Ave., Clifton, N. J.
- TOWER, Daniel W. (1900; 1907), Pres., Grand Rapids Brass Co., 90 Scribner Ave., N. W., and 907 Jefferson Ave., S. E., **Grand Rapids, Mich.**
- *TOWER, Glenn L. (Associate-Member, 1917), 1st Lieut., Ord. Dept., U. S. N. A., Trench Warfare Sec., Engrg. Bureau, Washington, D. C.
- TOWER, J. Wallace (1914), Rm. 1303, 200 Fifth Ave., New York, N. Y., and 102 Pleasant St., Holyoke, Mass.
- TOWL, Forrest M. (1890), Pres., So. Pipe Line Co., 26 Broadway, New York, and Dering Harbor (Shelter Island Heights P. O.), Suffolk Co., N. Y.
- TOWLE, Wm. Mason (1887), Life Member; Prof. Emeritus of Industrial Engrg., Clarkson College of Tech., Potsdam, N. Y., and *for mail*, 24 Orchard Terrace, Burlington, Vt.

- TOWN, Frederic E. (1905), Inspc. Mgr., Pittsburgh Ord. Dist., Chamber of Commerce Bldg., Pittsburgh, Pa.
- TOWNE, Henry R. (1882), Vice-President, 1884-1886; President, 1889; Life Member; Chairman of the Bd., Yale & Towne Mfg. Co., 9 E. 40th St., and *for mail*, 420 Park Ave., New York, N. Y.
- TOWNE, Joseph M. (1918), V. P. & Mech. Supt., Natnl. Blank Book Co., Holyoke, Mass.
- TOWNE, Thos. (Associate, 1895), 1st V. P. & Genl. Mgr., Federal Tool & Alloy Steel Corp'n., 12 Platt St., and *for mail*, 32 W. 40th St., New York, N. Y.
- TOWNSEND, A. J. (Associate-Member, 1917), V. P., Wks. Mgr., Natl. Pressed Steel Co., Massillon, and 1415 Yale Ave., N. W., Canton, O.
- TOWNSEND, Albert C. (1910; Associate-Member, 1918), Sales Engrs., H. R. Geiger, 90 West St., and 22 W. 84th St., New York, N. Y.
- TOWNSEND, George R. (1916), V. P., Genl. Mgr., Internatl. Steel & Ordnance Co., Lowell, Mass., and Vice-Pres., T. A. Gillespie Co., New York, N. Y., and 96 Halstead St., East Orange, N. J.
- TOWNSEND, Harry P. (Junior, 1904), Secy., Genl. Mgr., H. P. Townsend Mfg. Co., 10 Hoadley Pl., Hartford, Conn.
- TOWNSEND, Harry W. (Associate-Member, 1916), Sales Engr., The Aldrich Pump Co., 1309 Keenan Bldg., and *for mail*, 6821 Thomas Blvd., Homewood, Pittsburgh, Pa.
- TOWNSEND, Theodore A. (Associate-Member, 1918), U. S. Inspc. in Constr. Div., U. S. A., 1306 Garland Bldg., Chicago, Ill.
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- TRACK, Frank A. (Associate-Member, 1918), Asst. Supt., Engr., War Dept., Purchase, Storage & Traffic Div., 310 Mills Bldg., Washington, D. C.
- TRACY, Harmon N. (1912), Engr., Prop., The H. N. Tracy Co., 1102 Central Bldg., Los Angeles, and 5333 Loma Linda Ave., Hollywood, Cal.
- TRACY, Lyndon S. (1900; 1915), Mgr. Soda Ash Dept., The Solvay Process Co., and 12 Brattle Rd., Syracuse, N. Y.
- TRAPNELL, John M. (Associate-Member, 1918), The R. D. Cole Mfg. Co., Newman, Ga.
- TRASK, Walter H., Jr. (Junior, 1908), Sales Engr., Salt Lake Hardware Co., 257 S. Main St., and *for mail*, University Club, Salt Lake City, Utah.
- TRAUDT, William F. (Associate-Member, 1914), V. P., Genl. Mgr., Taber Pump Co., 291-297 Elm St., and 7 Argyle Pk., Buffalo, N. Y.
- TRAVIS, Stephen C. (Associate-Member, 1916), Asst. Supt., Worcester Salt Co., and Box 314, Silver Springs, Wyoming County, N. Y.
- TREADWAY, Lyman H. (Associate, 1917), Pres., The Peck, Stow & Wilcox Co., and 8917 Euclid Ave., Cleveland, O.
- TREAT, Merritt W. (Junior, 1917), Hydraulic Pressed Steel Co., and *for mail*, 2057 E. 82nd St., Cleveland, O.
- *TREAT, Sidney W. (1911; Associate-Member, 1916), 1st Lieut., U. S. R., O. D., Trench Warfare Sec., 1330 F St., Washington, D. C., and Southfield Point, Stamford, Conn.
- TREDWELL, Kenneth I. (1912; Associate-Member, 1917), Winchester Repeating Arms Co., New Haven, and *for mail*, 4 Belmont St., Whitneyville, Conn.
- TREFTS, John C. (1909), Farrar & Trefts, 54-56 Perry St., Buffalo, N. Y.
- TREFZ, Julius J. (Associate-Member, 1918), Genl. Supt., Anglo-Amer. Mill Co., and Genl. Mgr., So. Fdy. Co., Owensboro, Ky.
- *TREGO, A. C. (Junior, 1915), 1st Lieut., O. O. R. C., U. S. A., Springfield Armory, Springfield, Mass.

- TREMAINE, E. G. (1889), Cons. Engr., P. Lorillard Co., 119 W. 40th St., New York, N. Y., and *for mail*, 111 First St., Jersey City, N. J.
- TRENOR, Albert D. (Associate-Member, 1914), Engr., Hammond Radio Research Lab., Gloucester, Mass., and *for mail*, 146 Central Park West, New York, N. Y.
- *TREUHAFT, Alexander A. (Junior, 1917), 2nd Lieut., Ord. Dept., U. S. A., Aberdeen Proving Grounds, Md.
- TRIBE, James (1889), Life Member; M.E., Allis-Chalmers Mfg. Co., and *for mail*, 575 Murray Ave., Milwaukee, Wis.
- TRIBKEN, Charles W. (1912), Contr. Engr., Automatic Sprinkler Co. of Am., 332 Granite Bldg., and 273 Rosedale St., Rochester, N. Y.
- *TRIMMER, James W. (Junior, 1916), Lieut. (E), U. S. N. R. F., Ch. Engr., U. S. S. *West Chester*, N. O. T. S. (Nav. Overseas Transportation Serv.), and *for mail*, 115 Brinley Ave., Bradley Beach, N. J.
- TRINDER, Frederick J. (1913), State Supvr. Trade Education Coun., State Bd. of Education, 42 Capitol. Hartford, and 160 Slater St., Manchester, Conn.
- TRINKS, W. (1905), Prof. M. E., Carnegie Inst. of Tech., and 1410 Dennison Ave., Pittsburgh, Pa.
- TRIX, John (1913), Pres., Mgr., Am. Injector Co., 175 14th Ave., and 61 E. Hancock Ave., Detroit, Mich.
- TROTH, P. Howard (1903), Second V. P., The Fairbanks Co., Broome & Lafayette Sts., New York, N. Y.
- TROTTER, Arthur H. (1914), Ch. Engr., Soc. de Minas & Fundiciones de Carrizal, Caldera, Chile, S. A., and 620 Crouse Ave., Syracuse, N. Y.
- TROTTER, Henry R. (Associate-Member, 1916), M.E., S. K. F. Ball Bearing Co., and *for mail*, 1109 Park St., Hartford, Conn.
- TROTZ, J. O. Emanuel (1906), Managing Dir., Kockums Jernverks, Aktb., Kallinge, and *for mail*, Svanevik, Ronneby, Sweden.
- TROUTMAN, Howard E. (Associate, 1906), Worthington Pump & Mch. Co., and *for mail*, 4448 Prairie Ave., Chicago, Ill.
- *TROWBRIDGE, Amasa (1892; 1903), Major, Ord. Dept., U. S. R., Watervliet Arsenal, Watervliet, N. Y.
- TROWBRIDGE, Francis C. (Junior, 1889), Pres., Genl. Mgr., The Black-Clawson Co., P. O. Box 383, and 723 Dayton St., Hamilton, O.
- TROXELL, Edgar R., Jr. (Associate-Member, 1918), N. Y. Sales Mgr., Spencer Heater Co., 101 Park Ave., New York, N. Y.
- TRUAX, William H. (Associate-Member, 1918), Employment Mgr., The Yale & Towne Mfg. Co., and *for mail*, Crystal Ave. & Quintard Terrace, Stamford, Conn.
- TRUBE, G. A. (1900), Expert Mgr., Westinghouse Air Brake Co., and 6824 Thomas Blvd., Pittsburgh, Pa.
- TRUE, Charles H. (1913), S. Supt., Loco. Superheater Co., East Chicago, and 20 Highland St., Hammond, Ind.
- TRUITT, R. Marshall (1913), Genl. Mgr., F. J. Stokes Mch. Co., 17th and Cambria Sts., Philadelphia, and *for mail*, Wayne and Westview Aves., Germantown, Philadelphia, Pa.
- TRUMP, Charles C. (Junior, 1914), Secy. & M. E., Humphrey Gas Pump Co., Stumpf Una-Flow Eng. Co., Inc., 401 S. A. & K. Bldg., and 1335 Madison St., Syracuse, N. Y.
- TRUMP, Edward N. (1880; 1890), Vice-President, 1905-1907; V. P., The Solvay Process Co.; Pres., Stumpf Uniflow Eng. Co., and *for mail*, 1912 W. Genesee St., Syracuse, N. Y.
- TRUSCOTT, Harold S. (1914), Genl. Mgr., Union Sugar Co., Betteravia, Cal.
- TRYON, Clarence A. (1916), Ch. Engr., Acheson Graphite Co., Buffalo Ave. and Portage Rd., Niagara Falls, and La Salle, N. Y.

- TUBBY, Charles W. (1912), St. Paul Sales Mgr., Worthington Pump & Mchy. Corp'n., 613 Merchants Natl. Bank Bldg., and 901 Fairmont Ave., St. Paul, Minn.
- TUCKER, Frank S. (1905), 14 W. 127th St., New York, N. Y.
- TUCKER, Harold B. (Junior, 1918), Asst. Supt. Constr., Merrimac Chem. Co., North Woburn, and *for mail*, 115 Summer St., Stoneham, Mass.
- TUECHTER, August H. (Associate, 1918), Pres., The Cincinnati Bickford Tool Co., Oakley, and 2662 Madison Rd., Hyde Park, Cincinnati, O.
- TUFTS, Leonard (1901), Operator of Resorts, Pinehurst, N. C.
- TULLOSS, Joseph C. (Associate-Member, 1916), The Baltimore Aircraft Prod. Co., Box 271, Manassas, Va.
- TUOMEY, T. Douglas (Junior, 1918), Secy. & Mgr., Sanitary Mach. Spec. Co., 157 E. 72nd St., New York, N. Y.
- *TUPPER, F. G. (1916), Lieut., U. S. S. *Mississippi*, c/o Postmaster, New York, N. Y.
- *TURLEY, Charles L. (Junior, 1915), Lieut., 21st Engrs., A. E. F., France, and *for mail*, 843 2nd St., Portsmouth, O.
- TURNBULL, George B. (Associate-Member, 1914), Ch. Engr., Great Lakes Engrg. Wks., and *for mail*, 96 Hague Ave., Detroit, Mich.
- *TURNBULL, Myrton J. (Associate-Member, 1916), 1st Lieut., Engrs., U. S. A., Ch. Engrs. Office, and *for mail*, Care of G. D. Whitcomb Co., Rochelle, Ill.
- *TURNER, Channing (Associate-Member, 1916), 1st Lieut., Field Art., O. R. C., Clearwater, Mont.
- TURNER, Charles H. (1905; 1917), Ch. Engr., Osgood Bradley Car Co., Mountain St., and *for mail*, 17 Randolph Rd., Worcester, Mass.
- TURNER, Charles Phillip (Associate, 1907), Master Mechanic, Am. Steel Fdy., 2600 Broadway, and *for mail*, 529 Veronica St., E. St. Louis, Ill.
- TURNER, Charles Prentice (1912), Ch. Engr., Steelton Plant, Bethlehem Steel Co., Steelton, and *for mail*, 1042 Rolleston St., Harrisburg, Pa.
- TURNER, Edwin N. (Associate-Member, 1918), Genl. Mgr., Manistee Iron Wks. Co., Manistee, Mich.
- TURNER, Frank A. (1918), Ch. Engr., Becker Milling Mch. Co., 200 Business St., Hyde Park Dist., and *for mail*, 1873 Columbus Ave., Roxbury Dist., Boston, Mass.
- TURNER, Frank C. (1914), V. P., So. Wheel Co., 1804 Ry. Exchange Bldg., St. Louis, Mo.
- TURNER, Guy S. (1915), Supt. Memphis Gas & Elec. Co., and *for mail*, 16 S. 2nd St., Memphis, Tenn.
- TURNER, Ralph E. (Associate-Member, 1915), Assoc. Editor, Power Plant Engrg., 537 S. Dearborn St., Chicago, and *for mail*, Western Springs, Ill.
- *TURNER, Robert T. (Associate-Member, 1916), Sergt., 52nd Pioneer Inf., A. E. F., France, and *for mail*, Sales Engr., Shepard Elec. Crane & Hoist Co., 30 Church St., New York, N. Y.
- TURNER, William C. (Junior, 1913), Ch. Engr., Sugar Mchy., U. S. & Cuban Allied Wks. Engrg. Corp'n., 50 Broad St., New York, N. Y., and 51 Cuba St., and *for mail*, 84 Havana, Havana, Cuba.
- TURNER, William P. (1900; 1908), Prof. Practical Mech., Purdue Univ., Lafayette, Ind.
- TURNO, Walter G. W. (1913; Associate-Member, 1916), Engr., Estimator, H. W. Johns-Manville Co., 41st St. and Madison Ave., and 2960 Briggs Ave., New York, N. Y.
- *TUSKA, Gustave R. (1900), Maj. of Engrs., Staff of Dir. Genl. of Military Rys., 7th & B Sts., N. W., and *for mail*, Shoreham Hotel, 15th &

- H Sts., N. W., Washington, D. C.; Cons. Engr., 68 William St., and 121 E. 56th St., New York, N. Y.
- *TUTTLE, George W. (Junior, 1917), Lieut., Reserve Military Aviator, Air Serv., Payne Field, West Point, Miss.; M.E., Eastern Mfg. Co., Katahdin Pulp & Paper Div., Lincoln, Me., and *for mail*, 20 Court St., Exeter, N. H.
- TUTTLE, Henry A. (1914), Ch. Engr., Evans Stamping & Plating Co., Taunton, and *for mail*, West Boro Road, Upton, Mass.
- TUTTLE, Irving E. (1909; Associate-Member, 1916), H. W. Johns-Manville Co., Madison Ave. and 41st St., New York, and *for mail*, Great Neck Sta., N. Y.
- TUTTLE, Walter I. (1908; 1916), Treas. and Genl. Mgr., Frank Mossberg Co., Lamb St., Attleboro, Mass., and *for mail*, 32 Medway St., Providence, R. I.
- TUTTLE, Willard S. (1900), Pres., Garwood Bronze & Iron Wks., Garwood, N. J., and *for mail*, 27 Cambridge Pl, Brooklyn, N. Y.
- *TUTTLE, William B. (1905), Maj., Constr. Div., Q. M. C., N. A.; V. P., San Antonio Traction Co., 305 E. Houston St., and Terrell Rd. & New Braunfels Ave., San Antonio, Tex.
- *TUVIN, Julius H. (Junior, 1912), Lieut., U. S. A., Utility Co., Constr. Div., Base Hospital, Camp Dix, N. J., and Frostburg, Md.
- TWINING, Wm. S. (1897), Dir. Dept. City Transit, City of Philadelphia, 754 Bourse Bldg., and *for mail*, 119 Harvey St., Germantown, Philadelphia, Pa.
- TWOMBLY, Alexander H. (1916), Twombly & Hemphill, 50 Church St., New York, N. Y., and 85 Woodland Ave., Summit, N. J.
- TYBERG, Oluf (1898), Point Loma, Cal.
- TYDEMAN, William A. (Junior, 1909), Vice Pres. and Treas., Macan Jr. Co., and *for mail*, 856 Meixell St., Easton, Pa.
- TYLER, Chas C. (1897), V. P., Remington Arms Union Metallic Cartridge Co., 233 Broadway, New York, N. Y., and *for mail*, 1139 Fairfield Ave., Bridgeport, Conn.
- TYLER, Hazen G. (1913; Associate-Member, 1918), Asst. Prof. of Mech. Engrg., N. Y. U., University Heights, New York and *for mail*, 520 Nostrand Ave., Brooklyn, N. Y.
- TYLER, Howard H. (Junior, 1918), Testing Engr., Alberger Pump & Condenser Co., and *for mail*, 63 Courtney Ave., Newburgh, N. Y.
- TYLER, Warren C. (Associate, 1915), N. Y. Mgr., Poole Engrg. & Mch. Co., of Baltimore, Md.; 50 Church St., New York, N. Y., and *for mail*, 177 Halstead St., E. Orange, N. J.
- TYLER, Willard C. (Associate, 1908), Inspec. Supvr., Instrument Mch. & Container Sec., Ord. Dept., Inspec. Div., Boston Dist. Ord. Office, and *for mail*, 11 Everett St., Cambridge, Mass.
- *TYMESON, Charles P. (Junior, 1918), Lieut., Ord. Dept., U. S. A., Rock Island Arsenal, Rock Island, Ill.
- TYNG, Arthur (1913), Cons. Engr., Iroquois Bldg., and 546 Delaware Ave., Buffalo, N. Y.
- TYSER, Leo (Junior, 1917), Mgr. Heating Div., The Terminal Freezing & Heating Co., 408-430 South Eutaw St., and 1909 W. North Ave., Baltimore, Md.
- TYSON, James S. Y. (Associate-Member, 1916), Engr., E. T. Stotesburg, and *for mail*, 557 Wyndmoor Ave., Chestnut Hill, Philadelphia, Pa.
- TYSON, Robert E. (1916), Pres., Tyson Bros., Inc., Woodbridge, and 222 4th Ave., Roselle, N. J.
- UDALL, Phillip A. (Associate-Member, 1918), Ch. Inspec., Ch. Tool & Spec. Mch. Designer, Holt Mfg. Co., and *for mail*, 315 W. Poplar St., Stockton, Cal.

- UEBELACKER, Charles F. (1913), Mem. of Firm, Ford, Bacon & Davis, 115 Broadway, New York, N. Y., and 267 Summit Ave., Hackensack, N. J.
- *UEHLING, Edward (Junior, 1916), 2nd Lieut., 6th Anti-Aircraft Mch. Gun Battn., Camp Wadsworth, S. C., and 486 63rd Ave., West Allis, Wis.
- UEHLING, Edward A. (1883), Life Member; Pres., Uehling Instrument Co., Delaware Ave., and *for mail*, 199 Franklin Ave., Passaic, N. J.
- UEHLING, F. F. (1918), Combustion Engr., Genl. Mgr., Uehling Instrument Co., 71 Broadway, New York, N. Y.
- UHL, Willard F. (1918), Sales Engr., C. A. Dunham Co., 324 Metropolitan Bank Bldg., Minneapolis, Minn.
- UHL, William Frank (1912), Hyd. Engr., with Charles T. Main, 201 Devonshire St., Boston, Mass.
- UHLENHAUT, Fritz 3rd (Junior, 1918), Duquesne Light Co., and *for mail*, Alder Court, Pittsburgh, Pa.
- UIHLEIN, Herman A. (Junior, 1913), Pres., Genl. Mgr., The Lavine Gear Co., Racine, and 477 Kenilworth Pl., Milwaukee, Wis.
- UIHLEIN, William B. (Junior, 1907), Genl. Supt., Jos. Schlitz Brewing Co., and 840 Lake Drive, Milwaukee, Wis.
- ULBRICHT, T. Carlile (1908; Associate-Member, 1913), Asst. Mgr., Am. Steel Co. of Cuba, Emperdrado 17, and Calle A No. 30 Esq.—015—Vedado, Havana, Cuba.
- ULMANN, August, Jr. (Associate-Member, 1918), Power Engr., Natnl. Aniline & Chem. Co., Marcus Hook, Pa.
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- *UNDERHILL, Charles R. (1917), Capt., Av. Sec., S. R. C., and *for mail*, 1214 Chapel St., New Haven, Conn.
- UNDERHILL, Henry L. (1915), Engrg. Dept., The Bartlett Hayward Co., and *for mail*, The Albion Hotel, Baltimore, Md.
- UNDERHILL, Jacob (Junior, 1918), Inspc., Contract & Inspc. Dept., N. Y. Edison Co., 124 W. 42nd St., New York, and *for mail*, Glen Cove, L. I., N. Y.
- UNDERWOOD, Charles N. (1913; 1917), Remington Typewriter Co., and *for mail*, 160 West St., Ilion, N. Y.
- UNGER, John S. (1886), Cons. Engr., 3344 Broadway, Chicago, Ill.
- UNWIN, William C. (Honorary, 1898), 29 Palace Gate, Kensington, London, W., England.
- UPDEGRAFF, William B. (1910), M. E., The Watson-Stillman Co., 50 Church St., New York, N. Y., and Roselle, N. J., and *for mail*, 522 Magie St., Elizabeth, N. J.
- UPTEGRAFF, Thomas M. (Associate, 1918), Sec. & Mgr., Defiance Paper Co., Niagara Falls, N. Y.
- UPP, John W. (1903), Mgr., Switchboard Dept., Genl. Elec. Co., and *for mail*, 107 Avon Rd., Schenectady, N. Y.
- UPSON, Lyman A. (1884), Pres., Treas., Upson-Martin Co., Inc., Thompsonville, Conn.
- UPSON, Maxwell W. (1901; 1907; 1912), Secy., Ch. Engr., Genl. Mgr., Raymond Concrete Pile Co., 140 Cedar St., New York, N. Y., and 83 Dwight Pl., Englewood, N. J.
- UPTON, George B. (1916), Asst. Prof. Exper. Engrg., Cornell Univ., and *for mail*, 11 Central Ave., Ithaca, N. Y.
- VAIL, Guy R. (1912), M. E., Am. Steam Pump Co., and *for mail*, 44 S. Wabash Ave., Battle Creek, Mich.
- VAIL, Thomas C. (Associate-Member, 1917), Supt., Spicer Mfg. Co., South Plainfield, and *for mail*, 410 Lee Pl., Plainfield, N. J.

- VAILE, J. Henry (1888), Pres., Treas., Vaile & Kimes, and *for mail*, 119 N. Jefferson St., Dayton, O.
- VALDES ROIG, Jesus M. (Junior, 1916), Engr., Lombard & Co., O'Reilly 9, and *for mail*, Vivora, Havana, Cuba.
- VALENTINE, August L. (1918), Supt., Pratt & Whitney Co., and *for mail*, 244 Oxford St., Hartford, Conn.
- VALENTINE, Warren R. (1916), Supt. Shop 2, Pittsburgh Plate Glass Co., Ford City, Lock Box 226, and *for mail*, Lock Box 142, Kittanning, Pa.
- VALLANCE, Alexander (Associate-Member, 1915), Shell Dept., Am. Mch. & Mfg. Co., and *for mail*, 306 E. 4th St., Atlanta, Ga.
- VALTIER, Franz V. (1913), Gurney Elec. Elev. Co., Honesdale, Pa.
- *VAN AKEN, Lionel D. (1918), Lieut.-Col., Ord. Dept., U. S. A., Production Officer, E. I. du Pont de Nemours & Co., and *for mail*, Hastings-on-Hudson, N. Y.
- VAN ALSTYNE, David (1914), Asst. V. P., Am. Loco. Co., 30 Church St., and 823 West End Ave., New York, N. Y.
- VAN BOMEL, Leroy A. (1918), Pres., Sheffield Cond. Milk Co., Inc.; Asst. Genl. Mgr., Sheffield Farms Co., Inc.; 624 W. 57th St., and 870 Riverside Drive, New York, N. Y.
- VAN BRUNT, Edmund S. (Associate-Member, 1914), Ord. Office, U. S. A., 18th and E Sts., N. W.; Designer of Ordnance, War Dept., and *for mail*, Apt. 2, 1330 Massachusetts Ave., Washington, D. C.
- VAN BRUNT, John (1914), Ch. Engr., Combustion Engrg. Corp'n., 11 Broadway, New York, and 35 Parsons Ave., Flushing, L. I., N. Y.
- VAN BUSKIRK, Henry C. (1906), Genl. Supt., Griffin Wheel Co., 445 N. Sacramento Blvd., Chicago, and 309 N. Harvey Ave., Oak Park, Ill.
- VANCE, Walter N. (1914), V. P., Durand Steel Locker Co., and 250 W. 14th St., Chicago Heights, Ill.
- VAN CLEVE, Horatio P. (1912; 1916), Designing Engr., Taylor-Wharton Iron & Steel Co., Philadelphia, Pa., and 63 Prospect Ave., Princeton, N. J.
- VAN DEINSE, A. E. (1905; 1916), Vice-Pres., C. D. & M. Elec. Co., Rm. 9, I. O. O. F. Bldg., and 289 Bradford St., Marion, O.
- VANDEGRIFT, Wayne A. (Associate-Member, 1918), Supv. Engr. Pub. Wks. Training Sta., Coddington Point, and *for mail*, P. O. Box 501, Newport, R. I.
- VANDE MARK, E. Stuart (Associate-Member, 1917), M.E., Parish Mfg. Co., and 144 N. 5th St., Reading, Pa.
- VANDEMOER, John (Associate, 1904), Constr. Engr. Mex. Dept., Am. Smelting & Refining Co., 1108 Mills Bldg., and Harts Apts. No. 1, El Paso, Tex.
- VANDEN BOOM, Gerry C. (Junior, 1917), Sales Dept., Chicago Pneumatic Tool Co., Fisher Bldg., and 5328 Winthrop Ave., Chicago, Ill.
- *VAN DENBURGH, O. A., Jr. (Junior, 1916), 2nd Lieut., Chem. Warfare Serv., U. S. A., and *for mail*, 38 Sheridan Ave., Troy, N. Y.
- VAN DE PLANCKE, George (1918), Supt., Turner Mach. Co., and *for mail*, 42 Washington Ave., Danbury, Conn.
- *VANDERBILT, Cornelius (1895; Associate, 1901), Brig. Genl., U. S. A., Camp Lewis, American Lake, Wash., and *for mail*, 32 Nassau St., also 640 5th Ave., New York, N. Y.
- VANDERGRIFT, James W. (1909), V. P., Genl. Mgr., So. Pipe Line Co., Woolworth Bldg., and *for mail*, 665 W. Chestnut St., Lancaster, Pa.
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- VAN DER HOEVEN, Constant (1917), Mgr. N. Y. Office, Lindeteves-Stokvis of Amsterdam, Holland, 11 Broadway, and 36 Union Sq., New York, N. Y.
- VAN DERVOORT, William H. (1914), Pres., Genl. Mgr., Root & Van Dervoort Engrg. Co., East Moline, and 2711 Eighth Ave., Moline, Ill.
- VAN DERVORT, Adrian O. (1900; 1918), Supt., Hammett Mch. Wks., and *for mail*, 5 Frear Ave., Troy, N. Y.
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- *VAN DEVENTER, John H. (1914), Maj., U. S. Ord., Washington, D. C.; Editor-in-Chief, Am. Machinist, 10th Ave. & 36th St., New York, and 386 Park Hill Ave., Yonkers, N. Y.
- VAN FLEET, Herman (1918), Engr. Liquid Air Div., Air Nitrate Corp'n., 360 Madison Ave., New York, N. Y.
- *VAN GELDER, George S. (1918), 1st Lieut., Ord. Dept., U. S. A., 1107 Broadway, New York, N. Y., and *for mail*, 146 N. Clinton St., East Orange, N. J.
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- VANIMAN, R. L. (Junior, 1916), Pres., Produce Terminal Corp'n., Union Stock Yards, and 1134 E. 46th St., Chicago, Ill.
- VAN KENNEN, Harold H. (Junior, 1916), M.E., Rochester & Pittsburgh Coal & Iron Co., and *for mail*, 317 N. 7th St., Indiana, Pa.
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- VAN KEUREN, Harold L. (Associate-Member, 1918), Ch. Gage Sec., Bureau of Standards, Washington, D. C.
- VAN PATTEN, William E. (1910), Light, Heat and Power Engr., D., L. & W. R. R. Co., Hoboken, and *for mail*, 212 William St., Boonton, N. J.
- VAN STONE, Charles (1914), V. P., Lamsden & Van Stone Co., 426 First St., S. Boston, and 46 West St., Reading, Mass.
- VAN SYCKEL, Frederick T. (Junior, 1915), Niles-Bement-Pond Co., 111 Broadway, New York, N. Y., and *for mail*, 75 Snyder St., Orange, N. J.
- VAN TRUMP, Charles R. (1893; 1898), Life Member; 305 W. 8th St., Wilmington, Del.
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- VAN VALKENBURGH, R. D. (1901; 1905; 1911), 667 Decatur St., Watkins, N. Y.
- *VAN VOORHIS, Frederick S. (Junior, 1912), M. E., Diamond Mills Paper Co., Saugerties, N. Y., and Madison, N. J.
- *VAN WINKLE, Edward (1904; 1908), Capt., 24th Engrs., N. A., Camp Dix, Wrightstown, N. J.; Cons. Pat. Engr., 90 West St., New York, N. Y.
- VAN WINKLE, Herbert H. (Junior, 1906), Ch. Engr., Vogt Bros. Mfg. Co., 1402 W. Main St. Louisville, Ky.
- VAN WORMER, Ralph B. (1916), Mgr., Am. Linseed Co., Sioux City, Ia.
- VAN YORX, John H., Jr. (1917), Mgr. Fdy., Bullard Mch. Tool Co., and *for mail*, 230 Lenox Ave., Bridgeport, Conn.

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- WARE, Corvin E. (Associate, 1916), Mgr. N. Y. Office, Hoppes Mfg. Co., 39 Cortlandt St., New York, N. Y., and Tenafly, N. J.
- WAREAM, Chas. E. (Associate-Member, 1917), Ch. Engr., Dev. Dept., Am. Laundry Mch. Co., Norwood Sta., Cincinnati, and 4243 Floral Ave., Norwood, O.
- WARFIELD, George L. (Associate-Member, 1918), Supt., Thorndike Co., Thorndike, Mass.
- WARFIELD, William G. (1915), Ch. Engr., Pub. Serv. Elec. Co., Essex Power Sta., and *for mail*, 52 Cypress St., Newark, N. J.
- WARING Chas. A. (Associate-Member, 1914), Engr., Harris Positive Drive Axle, and *for mail*, 518 W. Market St., Lima, O.
- WARING, Edward H. (1918), Mech. Engr., Crocker-Wheeler Co., Ampere, and *for mail*, 325 Washington St., Glen Ridge, N. J.
- WARK, Thomas A. (Associate, 1918), Genl. Supt., St. Maurice Paper Co., Ltd., Cape Madeleine, P. Q., Canada.
- WARNER, Charles L. (1913), Pres., Treas., & Genl. Mgr., The Baird Mch. Co., Bridgeport, and 78 W. River St., Milford, Conn.
- WARNER, Douglas K. (Junior, 1917), Instr., Sheffield Scientific Sch., New Haven, Conn.
- WARNER, Edward P. (Junior, 1917), Aero Engr., Bureau of Aircraft Prod., U. S. A., Mass. Inst. of Tech., Cambridge, Mass.
- *WARNER, Irving (Junior, 1912), 1st Lieut., Engrs., Engr. Purch. Officer, Le Teil, Ardeche, France; Plant Mgr., Charles Warner Co., and *for mail*, 10th & King Sts., Wilmington, Del.
- WARNER, Jacob L. (1917), Asst. Engr., E. I. du Pont de Nemours & Co., Du Pont Bldg., and *for mail*, 2301 W. 12th St., Wilmington, Del.
- *WARNER, Murray (1918), Maj., Q. M. C., In charge of Utilities, Camp Dix, N. J.
- *WARNER, Ralph M. (Junior, 1918), 1st Lieut., Ord. Dept., U. S. A., Inspc. of Small Arms Amm., U. M. C. Co., Bridgeport, Wks., and *for mail*, Y. M. C. A., 833 Main St., Bridgeport, Conn.
- WARNER, Worcester R. (1880), V. P., The Warner & Swasey Co., Cleveland, O., and Wilson Park, Tarrytown, N. Y.
- WARR, William (1915), Asst. Mgr. Belt Dept., The Manhattan Rubber Mfg. Co., 61 Willett St., Passaic, N. J., and 650 Park Ave., East Orange, N. J.
- WARREN, Aldred K. (1912), Mfg. Engr., Genl. Elec. Co., West Lynn and *for mail*, 12 Summer St., Salem, Mass.
- WARREN, Ambrose G. (1907), Genl. Supt., J. W. Paxson Co., 1021 N. Delaware Ave., Philadelphia, and *for mail*, 6802 Lawnton Ave., Oak Lane, Philadelphia, Pa.
- WARREN, George S. (1912), Ch. Engr., Sharon Steel Hoop Co., and *for mail*, 2 Euclid Ave., Sharon, Pa.
- WARREN, John B. (Associate-Member, 1914), Pres., Tacony Ord. Corp'n., Secy. & Genl. Mgr., Tacony Steel Co., Philadelphia and Huntingdon Rd., Abington, Pa.
- WARREN, Kenneth L. (1907), Cons. Engr., Fraserville, Que., Canada.
- WARREN, Ralph H. (1913), Economy Engr., Alpha Portland Cement Co., First Natl. Bank Bldg., and 625 Meixell St., Easton, Pa.
- WARREN, Ralph L. (1917), Genl. Mgr., Warren Bros. Co., 142 Berkeley St., Boston, and 79 Fountain St., West Newton, Mass.

- WARREN, Walter B. (1901; 1914), V. P., Warren Bros. Co., 711 Journal Bldg., and 1306 E. 32nd St., Portland, Ore.
- *WARREN, William H. (Junior, 1917), Corp., Regimental Scouts, Headquarters Co., 340th F. A. N. A., Camp Funston, Kan., and Glendora, Cal.
- WARRINGTON, James N. (1884; 1885), 1820 Taft Ave., Los Angeles, Cal.
- WARRINGTON, Jesse (1887), 271 N. Randolph St., Indianapolis, Ind.
- WARTENWEILER, Otto (1913), Mgr. Otto Wartenweiler & Co., Holingsworth Bldg., and *for mail*, 955 Westchester Pl., Los Angeles, Cal.
- *WASHBURN, Edwin F. (Associate-Member, 1918), 1st Lieut., Ord. R. Co., U. S. A., Asst. Supt. Tools, Jigs, Gauges, etc., Watertown Arsenal, Watertown, Mass.
- WASHBURN, John E. (Associate-Member, 1915), M.E., Natnl. Carbon Co., Inc., Madison Ave. & W. 117th St., Cleveland, and *for mail*, 1487 Rosewood Ave., Lakewood, O.
- WASHBURN, William S. (1891), Whitman & Keith Co., 20 Clifton Ave., and *for mail*, 1363 Main St., Campello Sta., Brockton, Mass.
- WASON, Leonard C. (1916), Pres., Aberthaw Constr. Co., 27 School St., Boston, and 1530 Beacon St., Brookline, Mass.
- WATERHOUSE, Ezra P. (1918), Envelope Mfr., Worcester Envelope Co., 110 Foster St., and *for mail*, 88 June St., Worcester, Mass.
- WATERMAN, Fred W. (1912), Asst. Genl. Mgr., U. S. Steel Corp'n., Ord. Dept., Union Arcade Bldg., Pittsburgh, Pa., and *for mail*, 116 Broad St., Elyria, O.
- WATEROUS, Charles A. (1916), Asst. Mgr., Waterous Eng. Wks. Co., Ltd., and 69 Dufferin St., Brantford, Ont., Canada.
- WATERS, D. Vaughn (Junior, 1917), Designing Engr., Gould & Eberhardt, Chancellor Ave., Irvington, and *for mail*, 112 Catherine St., Elizabeth N. J.
- *WATERS, Everet O. (Junior, 1915), 2nd Lieut., Ord. Dept., care of Ch. Ord. Officer, U. S. A., A. P. O. No. 717, A. E. F., France, and 126 Claremont Ave., New York, N. Y.
- WATERS, George H. (1901) Pres., Raritan Dry Dock Co., Washington St., Perth Amboy, N. J., and *for mail*, 345 Bement Ave., West New Brighton, S. I., N. Y.
- WATERS, William L. (1909), Cons. Engr., 50 Broad St., New York, and *for mail*, Box 595, Glen Cove, L. I., N. Y.
- WATKINS, Arthur M. (Associate, 1917), Secy., Treas., Inter-Continental Mchy. Corp'n., 165 Broadway, New York, N. Y., and 59 Forest Ave., Glen Ridge, N. J.
- WATKINS, Edward G. (1915), Pres., Simplex Time Recorder Co., and *for mail*, 141 Chestnut St., Gardner, Mass.
- WATKINS, Frank E. (1911), Wks. Mgr., Canadian Fairbanks-Morse Co., Ltd., 1379 Bloor St. W., and Apt. 36, Parkview Mansions, West Toronto, Ont., Canada.
- WATKINS, Roy A. (Junior, 1918), V. P. & Genl. Mgr., Bath Mch. Wks., Bath, N. Y.
- WATSON, Frank (Junior, 1893), New Hartford, Conn.
- WATSON, Harry J. (Associate-Member, 1918), Instr. in Mech. Engrg., Univ. of Mich., 235 New Engrg. Bldg., Ann Arbor, Mich.
- WATSON, Herbert L. (Junior, 1907), Genl. Sales Mgr., De Laval Steam Turbine Co., Trenton, N. J.
- WATSON, J. Edward (Junior, 1915), Asst. Power Engr., The Barrett Co., Chem. Dept., and *for mail*, 412 W. Wellens Ave., Philadelphia, Pa.

- WATSON, Ralph B. (1914), Engr. of Tests, Erie R. R., and *for mail*, 662 Baldwin St., Meadville, Pa.
- WATSON W. W. (Junior, 1917), Asst. Sec. & Treasr., Anderson Forge & Mch. Co., and 222 Parkview Ave., Detroit, Mich.
- WATT, Harold W. (Associate-Member, 1917), Engr. Elec. Distribution, Westchester Lighting Co., and 137 Washington St., Mt. Vernon, N. Y.
- WATT, James (1916), M. E., Krehbiel Co., 1712 Marquette Bldg., and *for mail*, 2240 West 113th St., Chicago, Ill.
- WATTLES, Joseph W., 3d (Junior, 1910), Commer. Engr. Sales Dept., Edison Elec. Ill. Co. of Boston, 39 Boylston St., Boston, Mass.
- WATTS, George W. (1903; 1904), Wks. Mgr., Canadian Genl. Elec. Co., 212 King St., and *for mail*, 1 Beaumont Rd., Toronto, Ont., Canada.
- WATTS, Robert L. (1918), Mech. Supt., St. Paul & Tacoma Lumber Co., Tacoma, Wash.
- WAUGH, Orlo L. (Junior, 1912), Production Mgr., The Crown Cork & Seal Co., and 52 Ernscliffe Aprt., Toronto, Ont., Canada.
- WEAGER, Theodore A. (Junior, 1912), Engr., Mgr., Cleveland Office, Buffalo Forge Co., Rockefeller Bldg., and 1875 E. 101st St., Cleveland, O.
- WEAR, Burt C. (Junior, 1905), Estimator, U. S. Steel Corp'n., Ord. Dept., and 500 Park Rd., Ambridge, Pa.
- WEAVER, Gilbert G. (Junior, 1916), The Domestic Engrg. Co., and 807 Lexington Ave., Dayton, Ohio.
- WEAVER, Robert R. (1918), Ch. Engr., Ralston Steel Car Co., East Columbus, and *for mail*, 480 W. 6th Ave., Columbus, Ohio.
- WEAVER, Thomas D. (1918), Ch. Engr., Humphries Mfg. Co., and *for mail*, 25 Euclid Ave., Mansfield, Ohio.
- WEAVER, Wm. Geo. (Associate-Member, 1915), Dept. of Mech. Engrg., Univ. of Cape Town, Cape Town, South Africa.
- WEBB, Clifford L. (Associate-Member, 1916), Sales Engr., Henry R. Worthington, 820 Old Colony Bldg., Chicago, Ill.
- WEB, Thomas M. (Associate-Member, 1917), Asst. Ch. Engr., Am. Can Co., Liberty Ord. Plant, Union Ave., and *for mail*, 475 Colorado Ave., Bridgeport, Conn.
- WEBBER, Henry (1886), M. E., Finch Mfg. Co., Scranton and *for mail* 125 Harper St., Dunmore, Pa.
- WEBBER, Samuel S. (1880), Life Member; Manager, 1902-1905; Charlestown, N. H.
- WEBER, August, Jr. (1916), V. P., Western Elec. Co., P. O. Box 914 and 1 Stratford Rd., Schenectady, N. Y.
- WEBER, Erwin L. F. (1910; 1914; 1916), Cons. Domestic Engr., 723-724 Seaboard Bldg., and 206 W. McGraw St., Seattle, Wash.
- WEBER, Geo. A. (Associate, 1896), 71 Cortland Ave., Stamford, Conn.
- WEBER, H. Hamilton (Junior, 1917), Hyatt Roller Bearing Div., United Motors Corp'n., Newark, and *for mail*, 637 Central Ave., East Orange, N. J.
- *WEBER, John (Associate-Member, 1916), Capt., Engrs., N. A., Genl. Engr. Depot, U. S. A., 4413 15th St., N. W., Washington, D. C.
- WEBER, O. L. E. (1895; 1905), Genl. Mgr., Watab Pulp & Paper Co., Sartell, Minn.
- WEBER, Peter (1913), Pres., Sloan & Chace Mfg. Co., 6th Ave., and 13th St., Newark, N. J.
- WEBNER, Frank E. (Associate, 1917), Special Asst. to Accounting Officer, Bureau of Aircraft Prod., Washington, D. C., Curtiss Aeroplane & Motor Corp'n., Buffalo, N. Y.; Frank E. Webner & Co., 153 N. La Salle St., and 2315 Commonwealth Ave., Chicago, Ill.

- WEBRE, Alfred L. (1916), M. E., E. B. Badger & Sons Co., 75 Pitts St., Boston, and 7 Yale St., Winchester, Mass.
- WEBSTER, Fred L. (1912), District Mgr., Allis-Chalmers Mfg. Co., 2020 Peoples Gas Bldg., Chicago, Ill.
- WEBSTER, Frederick A., Jr. (Junior, 1917), Foreman, Inspec. Dept., Standard Oil Co., Richmond, Cal.
- WEBSTER, George A. (1914), Supt., Star Brass Mfg. Co., 1083 Dedham St., Boston, and *for mail*, Acton, Mass.
- WEBSTER, Harry D. (1917), Engr. of Motive Power, Bessemer & Lake Erie R. R. Co. and *for mail*, 392 Main St., Greenville, Pa.
- WEBSTER, Hosea (1883), Sales Mgr., Babcock & Wilcox Co., 85 Liberty St., New York, N. Y., and *for mail*, Montclair, N. J.
- WEBSTER, Joseph S. (1916), M. E., New Haven Boiler Wks., New Haven, and 196 Centre St., West Haven, Conn.
- *WEBSTER, Lawrence B. (1910; 1914; 1918), Maj., U. S. A., Ord. Dept., Baltimore Inspec. Branch, Inspec. Mgr., 110 E. Lexington St., Baltimore, Md., and care of George Webster, Box 625, Marion, Ind.
- WEBSTER, Towner K., Jr. (1917), V. P., Frank D. Chase, Inc., Peoples Gas Bldg., Chicago, and 925 Greenwood Blvd., Evanston, Ill.
- WEBSTER, Warren (Associate, 1903), Pres., Warren Webster & Co., Point & Pearl Sts., and 626 Cooper St., Camden, N. J.
- WEBSTER, William R. (1889), Cons. and Inspec. Engr., 411 Walnut St., Philadelphia, Pa.
- WEBSTER, William Ralph (1911), Asst. Ch. Engr., Cambria Steel Co., Johnstown, and *for mail*, 15 Montour Ave., Johnstown, Pa.
- WEBSTER, William Reuben (1893; 1907), V. P., Bridgeport Brass Co., and *for mail*, 208 Brooklawn Ave., Bridgeport, Conn.
- *WEEKS, Paul (1905; 1911), Capt., Ord. Dept., Engrg. Corps, U. S. A., and *for mail*, 1464 Chapin St., Washington, D. C.
- *WEGENER, Francis A. (Junior, 1915), Ensign, U. S. N. R. F., 610 W. 116th St., New York, N. Y.
- WEGG, David S., Jr. (1909; Associate-Member, 1914), Supv. Inspec. of Ord. Material, Chicago Dist., Hdqrs., Standard Steel Car Co., Hammond, Ind., and *for mail*, 1210 Astor St., Chicago, Ill.
- WEGNER, Arnold A. (Associate-Member, 1917), care of Ben Wegner, 206 Forest St., Wausau, Wis.
- WEHNER, Lewis (1901; 1907), Ch. Engr., Pawling & Harnischfeger Co., 38th St. and National Ave., and *for mail*, Apt. 512, 459 Juneau Pl., Milwaukee, Wis.
- WEHR, C. Frederic (Associate-Member, 1918), Supt., Wehr Steel Co., West Allis, Wis.
- WEICHERT, Arnold E. (1907), Engr., The Combustion Engrg. Corp., 11 Broadway, New York, N. Y., and *for mail*, 54 Cleveland Terrace, Bloomfield, N. J.
- WEICK, Charles W. (1901), Prof. Teachers College, Columbia Univ., and 507 W. 124th St., New York, N. Y.
- WEICKEL, Henry (1889), Cons. Engr., Pawling & Harnischfeger Co., 38th St. and National Ave., and *for mail*, 377 21st Ave., Milwaukee, Wis.
- WEIDENBACKER, Robt. W. (Junior, 1912), Designer, The Baldwin Loco. Works, 500 No. Broad St., Philadelphia, and *for mail*, Haverford, Pa.
- WEIDNER, Paul G. (1912), Asst. Supt. Gasoline Pts., Stand. Oil Co. of Indiana, and Box 548, Drumright, Okla.
- WEIGEL, A. C. (Associate-Member, 1914), East. & Export Mgr., The Walsh & Weidner Boiler Co., 11 Broadway, New York, N. Y.
- WEIGEL, Rothe (Junior, 1917), M. E., La Follette Coal & Iron Co., and *for mail*, Box 244, La Follette, Tenn.

- WEILER, Rudolph B. (Associate-Member, 1916), Wks. Mgr., The Sharples Separator Co., and for mail, 340 N. Penn St., West Chester, Pa.
- WEIN, Charles V. (Associate-Member, 1917), Const. & M.E., 1640 N. La Salle St., Chicago, Ill.
- *WEINBERG, Geo. S. (1901; 1907), Major, 30th Engrs., A. E. F., France, and P. O. Box 170, Morris Plains, N. J.
- WEINSHANK, Theodore (1906), Genl. Mgr., Warren Webster & Co., 821 Hume-Mansur Bldg., and 2341 N. Delaware St., Indianapolis, Ind.
- WEINTZ, Louis J. (Junior, 1912), Mill Supt., The N. J. Zinc Co., Ogdensburg, Sussex Co., N. J.
- WEISS, Carl W. (1912), V. P. & Engr., Weiss Oil Eng. Co., 17 Battery Pl., New York, and for mail, 933 Westminster Rd., Brooklyn, N. Y.
- *WEISS, Erwin A. (Junior, 1918), Sergt., Engrg. Bureau Ord., and for mail, 504 Park Rd., Washington, D. C.
- WEISS, Herbert A. (Junior, 1915), Asst. Prof. of Applied Mechanics Univ. of Rochester, and for mail, 1 Harris St., Rochester, N. Y.
- *WEISS, Louis T., Jr. (Junior, 1913), Sergt., 1st class, Motor Transport Corps, care of Serv. Park Co., M. T. C., 1st Depot Div., A. P. O. 727, A. E. F., France; Mgr., Louis T. Weiss, 286 Taaffe Pl., and for mail, 1224 Ave. I, Brooklyn, N. Y.
- WEISS, Paul A. H. (Junior, 1918), Asst. Engr., Central Hudson Gas & Elec. Co., 50 Market St. Poughkeepsie, N. Y.
- WELCH, James B. (Associate-Member, 1916), Asst. Shop Supt., U. S. Navy Yard, and for mail, 2508 S. 18th St., Philadelphia, Pa.
- WELCH, Leon C. (1913), Ch. Engr., The Midwest Refining Co., Casper, Wyoming.
- WELCHANS, Bertram G. (1914), Genl. Supt., Stanley G. Flagg & Co., and for mail, 886 High St., Pottstown, Pa.
- WELD, Alfred O. (1913), Treas., George A. Weld Co., 79 Milk St., Boston, and for mail, Myrtle Terrace, Winchester, Mass.
- WELD, Lydia G. (Associate-Member, 1916), Lancaster, Cal.
- *WELFORD, P. G. (Junior, 1915), Gunner 337994 — C. F. A., 3rd Brigade Hdqrs., France.
- WELLES, Edward R. (1916), M. E., The J. G. White Engrg. Corp., 43 Exchange Pl., New York, and 1224 Dean St., Brooklyn, N. Y.
- *WELLING, Lindsay H. (Junior, 1916), Sergt., 1st Army Corps, 42nd Div., 117th Mobile Ord. Repair Shop, A. E. F., France, and for mail, 55 E. 76th St., New York, N. Y.
- WELLINGTON, J. W. (1912), Pres., Matthew Engrg. Co., cor. Monroe and King St., Sandusky, O.
- WELLMAN, Samuel T. (1881), Life Member; E. 90th St., Cleveland, O.
- WELLONS, Charles M. (Junior, 1916), Inspc., U. S. Engr. Office, P. O. Box 75, Wheeling, W. Va.
- *WELLS, Albert E. (1912), Maj., 121st Inf., U. S. A.; Prof. Mch. Constr., Supt. of Shops, Sibley College, Cornell Univ., Ithaca, N. Y.
- WELLS, Albert W. (Junior, 1918), Engr., Genl. Elec. Co., Schenectady, N. Y.
- WELLS, Clement (1916), V. P., Sarco Co., Inc., Woolworth Bldg., and for mail, 620 Riverside Drive, New York, N. Y.
- WELLS, Edward C. (1904), Engr., Ford, Bacon & Davis, 115 Broadway, New York, N. Y.
- WELLS, Eliot C. (Junior, 1918), M.E., Alabama Power Co., Birmingham, Ala.
- WELLS, Frank O. (1903), Pres., Greenfield Tap & Die Corp'n., and for mail, Box 334, Greenfield, Mass.

- WELLS, Frederick L. (1892), 101 S. Clinton St., Chicago, Ill.
- *WELLS, G. A. (1905), Capt., Ord., U. S. A., Hdqrs., Ord. Motor Instr. Sch., Raritan Arsenal, Metuchen, N. J.
- WELLS, Herbert (Associate-Member, 1917), Supt. Tool Div., Remington Arms U. M. C. Co., and *for mail*, 723 William St., Bridgeport, Conn.
- WELLS, J. Barnard (Junior, 1909), Engr., Lucey Mfg. Corp'n., 19th & Grove Sts., Chattanooga, Tenn.
- WELLS, J. Leland (1885), Cons. Engr., 1328 Broadway, New York, and *for mail*, 250 Main St., Amityville, L. I., N. Y.
- WELLS, James H. (1904), Mem. of Firm, Clinton & Russell, 32 Nassau St., New York, N. Y.
- WELLS, Robert G. (1909), Works Mgr., The Steel Co. of Canada, Ltd., and 17 Inglewood Drive, Hamilton, Ont., Canada.
- WELLS, Walter F. (1914), V. P. & Genl. Mgr., Edison Elec. Ill. Co. of Brooklyn, 360 Pearl St., Brooklyn, N. Y.
- WELLS, William H. (1914), Supt., M. E., The George W. Blabon Linoleum Co., Nicetown, Philadelphia, and *for mail*, 121 E. Cliveden Ave., Germantown, Philadelphia, Pa.
- WELSH, Milford G. (Associate-Member, 1917), Supt., Mohawk Gas Co., 511 State St., and *for mail*, 18 Spruce St., Schenectady, N. Y.
- WEMYSS, Duncan (1918), Supt., Steel Factory, Library Bureau, 62 W. River St., and *for mail*, Box 344, Ilion, N. Y.
- WENDLAND, Charles F. (1914), Pres., Cons. Engr. & Mgr., C. F. Wendland Engrg. & Constr. Co., 63 Wooster St., New York, and 1184 Brooklyn Ave., Brooklyn, N. Y.
- WENDLE, George E. (1913), Asst. Genl. Mgr., Lycoming Edison Co., P. O. Box 424, Willow and West Sts., and 855 Louisa St., Williamsport, Pa.
- WENDT, Henry W. (1912), V. P., Buffalo Forge Co., 490 Broadway, and 633 Lafayette Ave., Buffalo, N. Y.
- WENTWORTH, Reginald A. (1911; 1913), Asst. Supt., U. S. Cartridge Co., and *for mail*, 73 Mansur St., Lowell, Mass.
- *WENZLIK, Richard H. (Junior, 1916), U. S. Nav. Training Sta., 14th Co., Regt. 574, Old Detention Camp, Great Lakes, Ill.
- WERA Eugene (Associate-Member, 1918), Draftsman, 251 W. 87th St., New York, N. Y.
- WERNER, Philip J. (Junior, 1915), U. S. Insp., The Panama Canal, Washington, D. C., and *for mail*, 5416 Trinity Pl., Philadelphia, Pa.
- WERNICKE, Otto H. L. (Associate-Member, 1918), Pres., Wernicke Hatcher Pump Co., 830 Bates St., S. E., Grand Rapids, Mich.,
- *WERST, Chas. W. (1909), Lieut. Colonel, Russian Ry. Service Corps, Vladivostok, Russia.
- WESCHE, B. A. (1917), B. A. Wesche Elec. Co., 327 E. 6th St., Cincinnati, O.
- WESCHLER, George A. (1916), Assoc. Prof. M. E., The Catholic Univ. of Am., and *for mail*, 1243 Monroe St., N. E., Washington, D. C.
- WESCOTT, William P. (1910), Galena-Signal Oil Co., 17 Battery Pl., New York, N. Y.
- WESLEY, Harry B. (Junior, 1918), Designing Engr., Brown Bag Filling Machine Co., 10 Main St., and *for mail*, 41 Forest St., Fitchburg, Mass.
- WESSON, Paul B. (1912), Mech. Supt., Wright Wire Co., and *for mail*, 11 Holbrook St., Palmer, Mass.
- WEST, Arthur (1902), Mgr. Power Dept., Bethlehem Steel Co., South Bethlehem, Pa.
- WEST, Ernest H. (Associate, 1917), Asst. Treas., Geo. H. Morrill Co., and *for mail*, 229 Winter St., Norwood, Mass.
- WEST, G. Alvin (Junior, 1917), Draftsman-Designer Wilmington Shops,

- Philadelphia, Baltimore & Washington R. R. Co., Wilmington, Del., and *for mail*, Port Deposit, Md.
- WEST, Oscar J. (1917), Sales and Cons. Engr., 457 Peoples Gas Bldg., Chicago, and 780 Greenwood Ave., Glencoe, Ill.
- WEST, Ralph H. (1916), Pres., Genl. Mgr., West Steel Casting Co., 805 E. 70th St., and 483 Eddy Rd., Cleveland, O.
- WEST, Walter C. (Junior, 1912), The Engineers Club, 32 W. 40th St., New York, N. Y.
- WESTBROOK, James R. (Junior, 1916), Engr., Aircraft Div., Union Switch & Signal Co., Swissvale, and *for mail*, 533 Coal St., Wilmerding, Pa.
- WESTCOTT, Arthur L. (1913), Supt. Bldgs., Univ. of Mo., and *for mail*, 1402 Windsor St., Columbia, Mo.
- WESTCOTT, Harry R. (1916), Pres., Westcott & Mapes, Inc., 207 Orange St., and 736 Elm St., New Haven, Conn.
- WESTCOTT, Henry P. (1913), Engr. Natural Gas Constr. Wk., Metric Metal Wks., Erie, Pa.
- WESTCOTT, Valorus S. (1910), Mech. Supt., J. & P. Coats, Inc., 366 Pine St., and *for mail*, 644 Main St., Pawtucket, R. I.
- WESTERFIELD, George S. (Junior, 1903), Mgr., Hoovens, Owens, Rentschler Co., Sales Agt. Iron & Steel Products, Office, 425 Chronicle Bldg., and 229 Westmorland Ave., Houston, Tex.
- WESTERVELT, Nelson H. (Junior, 1917), 4522 Beacon St., Chicago, Ill.
- *WESTERVELT, William I. (1916), Brig. Genl., Asst. Ch. of Artillery, Am. E. F., G. H. Q., A. P. O. No. 706, France.
- WESTINGHOUSE, H. Herman (1884), Life Member; Chairman, Westinghouse Air Brake Co., 165 Broadway and "The Belnord," 86th St. and B'way, New York, N. Y.
- WESTLAKE, Charles T. (1910), Ch. M. E., Commonwealth Steel Co., Pierce Bldg., and 4551 McPherson Ave., St. Louis, Mo.
- WESTLIN, Carl T. (1913), Wks. Engr., Otis Elev. Co., 1105 Frankford Ave., Philadelphia, Pa.
- WESTON, Burt H. (Associate-Member, 1916), Cons. Engr., 402 Commercial Bld., Dayton, O.
- WESTON, Edward (1882), Pres., Weston Elec. Instrument Co., Waverly Park, Newark, and No. Avenue, Elizabeth, N. J.
- WESTON, Samuel C. (Associate-Member, 1916), Supt., Bayles Shipyards, Inc., and High St., Port Jefferson, L. I., N. Y.
- *WESTWATER, Andrew (1916), Lieut., U. S. N. R. F.; Cons. Marine Engr., 539 Central Bldg., and 841 33rd Ave., N., Seattle, Wash.
- *WETHERILL, Wm. Chattin (Associate-Member, 1917), Lieut. (j. g.), Nav. Avia., Overseas, Care of Postmaster, New York, N. Y.; Treas., Keystone Screw Co., 17th & Allegheny Aves., and Chestnut Hill, Philadelphia, Pa.
- WETMORE, Wade L. (1916), M. E., Granby Consld. Mining, Smelting & Power Co., Ltd., Anyox, B. C., Canada.
- WEYMOUTH, C. R. (1904; 1907), Ch. Engr., Chas. C. Moore & Co., Engrs., Sheldon Bldg., San Francisco, and 2733 Ashby Ave., Berkeley, Cal.
- WEYMOUTH, Thomas R. (1910), Ch. Engr., United Natural Gas Co., 308 Seneca St., and 117 W. 3d St., Oil City, Pa.
- WHALEY, W. B. Smith (1918), Cons. Engr., Am. Whaley Eng. Co., 136 Federal St., Boston, Mass.
- WHAREN, George B. (Associate-Member, 1914), Instr. M. E., Exper. Engrg., T. S., Univ. of Pa., and *for mail*, 646 S. 57th St., Philadelphia, Pa.

- WHARTON, James R. (1914), Chairman, Dept. of M. E., Univ. of Mo., 110 Engrg. Bldg., and *for mail*, "Westwood," Columbia, Mo.
- WHATLEY, Arthur C. (Associate-Member, 1918), Marine Draftsman, Bethlehem Shipbldg. Corp'n., Broadhead Ave., Bethlehem, Pa., and *for mail*, 2427 W. 27th St., Los Angeles, Cal.
- WHATMORE, Albert (Associate-Member, 1918), Ch. Engr., Erith Oil Wks., Ltd., Albion Wharf, London, and "Court Lodge," Erith Rd., Belvedere, N. London, England.
- WHEATLEY, Arthur W. (1915), Pres., Lima Loco. Wks., Inc., and *for mail*, R. R. No. 4, Lima, O.
- WHEATLEY, George S. (Junior, 1910), Efficiency Engr., Midvale Steel & Ord. Co., Coatesville Wks., and 23 Montclair Ave., Coatesville, Pa.
- WHEELER, B. Alfred (1918) Ch. Draftsman, Whitcomb Blaisdell Mch. Tool Co., 134 Gold St., Worcester, and *for mail*, North Grafton, Mass.
- WHEELER, Burr (1918), Chile Exploration Co., Chuquicamata, Chile.
- WHEELER, Charles A. (1917), Prof. and Engr., Conn. Agricultural College, Storrs, Conn.
- WHEELER, Clifton H. (1901), V. P., Genl. Mgr., C. H. Wheeler Mfg. Co., Lehigh Ave. and 18th St., Philadelphia, Pa.
- WHEELER, Clifton H., Jr. (1913), C. H. Wheeler Mfg. Co., Lehigh Ave. and 18th St., Philadelphia, Pa.
- WHEELER, Frank G. (Junior, 1913), Mech. Engr., The Miehle Ptg. Press & Mfg. Co., 14th and Robey Sts., Chicago, and 218 Pleasant St., Oak Park, Ill.
- WHEELER, Frank R. (1909), Dist. Mgr., C. H. Wheeler Mfg. Co., 1322 Marquette Bldg., Chicago, Ill.
- *WHEELER, Fred B. (Junior, 1914), Am. Gas Defense, Service Repair Sta. No. 1, Am. Exped. Forces, France.
- WHEELER, Schuyler S. (1899), Pres., Crocker-Wheeler Co., Ampere, and Bernardsville, N. J.
- WHEELER, Seth, Sr. (1894), Pres., A. P. W. Paper Co., 1271 Broadway, Albany, and Castleton, N. Y., and 246 Lark St., Albany, N. Y.
- WHEELER, Seth, Jr. (1918), V.-P. & Genl. Supt., A. P. W. Paper Co., 1271 Broadway, and 246 Lark St., Albany, N. Y.
- WHEELER, Wm. H. (Associate-Member, 1917), Austin Baldwin & Co., 44 Whitehall St., New York, and V. P., Genl. Mgr., Alignum Fireproof Products Co., and 344 W. 72nd St., New York, N. Y.
- WHEELER, William T. (1905), Mgr., Trinity Engrg. Co., 409 W. 36th St., and 475 Manhattan Ave., New York, N. Y.
- WHEELHOUSE, Sidney H. (Associate, 1914), Mgr. Gas Furnace Dept., Columbus Htg. & Vent. Co., and 1005 E. Long St., Columbus, O.
- WHELAN, William R. F. (1915), Inspec. Steam Plants, Intl. Paper Co., 30 Broad St., New York, and Glen Falls, also 147 Main St., South Glen Falls, N. Y., and Care of International Paper Co., Glen Falls, N. Y.
- WHILDIN, William G. (1912), Genl. Supt., Lehigh Coal & Navigation Co., Lansford, Pa.
- WHINERY, Samuel B. (1918), Sales Agent, Cons. Engr., 95 Liberty St. New York, N. Y.
- *WHIPPLE, C. Earl (1912), Maj., Engrs., U. S. A., Care of D. M. E. & E. S., A. P. O. 717, A. E. F., France.
- WHIPPLE, George Francis (Associate, 1917), Compiler of Catalog Studies, Allston Sq., and 437 Cambridge St., Allston, Boston, Mass.
- WHIPPLE, William (1905; 1916), Supt., Cinclore Central Factory, Cinclore, La.
- WHITACRE, Robert B. (Associate, 1913), Senior Partner, R. B. Whitacre & Co., 205 S. Robert St., and *for mail*, 1761 Summit Ave., St. Paul, Minn.

- WHITAKER, Harry E. (Associate-Member, 1918), Engr., Ford, Bacon and Davis, 115 Broadway, New York, N. Y.
- WHITAKER, Henry E. (1891; 1904), M. E., Parke, Davis & Co., and *for mail*, 146 W. Hancock Ave., Detroit, Mich.
- WHITAKER, John C. (Junior, 1918), Production Engr., Midvale Steel & Ord. Co., Nicetown, and *for mail*, 4735 Leiper St., Frankford, Philadelphia, Pa.
- WHITAKER, Richard V., Jr. (Associate-Member, 1914), Supt., Neverslip Mfg. Co., New Brunswick, N. J.
- WHITCOMB, Herbert H. (Junior, 1917), Research Engr., Scovill Mfg. Co., and *for mail*, 78 Elmwood Ave., Waterbury, Conn.
- WHITCRAFT, Arthur (1917), Capt., Ord. Dept., U. S. A., and *for mail*, 1996 East Ave., Rochester, N. Y.
- WHITE, Albert F. (1918), Genl. Supt., Marsh Engrg. Wks., Ltd., and *for mail*, 10 Pine St., Belleville, Ont., Canada.
- WHITE, Alfred D. (Associate-Member, 1915), Ch. Oper. Engr., Stand. Oil Co. of N. Y., 400 Kingsland Ave., and 141 Noble St., Brooklyn, N. Y.
- WHITE, Charles F. (Associate-Member, 1918), Supt. of Machinery, A. Kimball Co., 307-309 W. Broadway, and *for mail*, 526 W. 211th St., New York, N. Y.
- WHITE, D. McCall (1915), V. P., The Cadillac Motor Car Co., and *for mail*, 244 Virginia Park, Detroit, Mich.
- WHITE, E. Field (Associate-Member, 1913), A. M. E., S. S. L., Bureau Aircraft Prod., Grand Central Palace, and 100 W. 80th St., New York N. Y.
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- *WHITE, Edward F. (1891), Lieut., U. S. N., and *for mail*, 660 E. 166th St., New York, N. Y.
- WHITE, Gilbert C. (1918), Cons. Engr., 406 ½ W. Main St., and *for mail* Box 562, Durham, N. C.
- WHITE, Harold C. (1916), Factory Mgr., The Harris Mfg. Co., East St. at Park, and 1045 W. Willow St., Stockton, Cal.
- WHITE, Harold E. (1915), 4 Norman Rd., Upper Montclair, N. J.
- WHITE, Herbert J. (1909), M. E., 181 8th Ave., Brooklyn, N. Y.
- WHITE, J. W. Huyler (Junior, 1917), First Asst. Ch. Engr., The Am. Sugar Refining Co., Washington and Essex St., and *for mail*, 317 Fairmount Ave., Jersey City, N. J.
- WHITE, James A. (1900; Associate, 1918), Ch. Engr., Harrison Radiator Corp., and 234 Locust St., Lockport, N. Y.
- WHITE, J. William, Jr. (1913), Engr., Truck Axle Div., Genl. Motors Corp'n., 88 E. Congress St., Detroit, Mich.
- WHITE, John C. (1906; 1911), State Power Plant Engr., 624 E. Main St., Madison, Wis.
- WHITE, Joseph J. (1880), Pres., Joseph J. White, Inc., New Lisbon, N. J.
- WHITE, Kenneth (1916), Mgr. Belting Dept., The Manhattan Rubber Mfg. Co., Passaic, N. J.
- WHITE, Louis F. (Associate, 1916), V. P. & Treas., Gale Mfg. Co., 115 Albion St. and 105 Irwin Ave., Albion, Mich.
- WHITE, Merton G. (Junior, 1906), Mgr., Cincinnati Office, U. S. Ball Bearing Mfg. Co., 1814 First Natl. Bank Bldg., Cincinnati, O.
- WHITE, Percival (Associate-Member, 1918), Engr., The University Club, Cleveland, O.
- WHITE, Peter D. (Junior, 1913), Engr., The Babcock & Wilcox Co., Bayonne, N. J., and 145 W. 58th St., New York, N. Y.

- WHITE, Robert H. (1918) Engr. of Constr., American Loco. Co., and *for mail*, 19 N. Wendell Ave., Schenectady, N. Y.
- WHITE, Thomas H. (Junior, 1918), Asst. to Vice-Pres., White Motor Co., 842 E. 79th St., and *for mail*, 9432 Lake Shore Blvd., Cleveland, Ohio.
- WHITE, Walter J. (Associate-Member, 1915), Supt. of Dredging, Bd. of Commissioners, Port of New Orleans, 833 Canal St., and *for mail*, 3014 Prytania St., New Orleans, La.
- WHITE, Wm. M. (1907), Mgr., Ch. Engr. Hyd. Dept., Allis-Chalmers Mfg. Co., and *for mail*, 747 Summit Ave., Milwaukee, Wis.
- WHITEFORD, James F. (1908), Industrial Engr., 5 Broad St. Pl., London, E. C. 2, England.
- WHITESIDE, Samuel P. (1916), Explosives Sec., Prod. Div., Army Ord., Washington, D. C.; 3039 N. Calvert St., and *for mail*, P. O. Box 585, Baltimore, Md.
- WHITESIDE, Victor (Junior, 1917), Efficiency Engr., Western Elec. Co., Hawthorne Sta., Chicago, and *for mail*, 2102 S. 50th Ave., Cicero, Ill.
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- WHITHAM, Jay M. (1883), Cons. Engr., 148 State St., Boston, phia, Pa.
- WHITING, Charles W. (1885; 1895), Cons. Engr., 148 State St., Boston, and 32 Irving St., Cambridge, Mass.
- WHITING, Richard A. (1909; 1918) Designing & Sup. Engr., Powdered Coal Dept., Quigley Furnace Spec. Co., Inc., 26 Cortlandt St., New York, N. Y., and *for mail*, P. O. Box 253, Oradell, N. J.
- WHITLEY, Frederic N. (1914), Pres., Frederic N. Whitley, Inc., 215 Fulton St., and *for mail*, 1233 Pacific St., Brooklyn, N. Y.
- *WHITLOCK, Elliott H. (1901), Lieut. Col., 24th Engrs., Office Chief of Engrs., 2nd Army, A. P. O. 748, A. E. F., France, and 11200 Edgewater Drive, Cleveland, O.
- WHITLOW, Joseph A. (1914), Ch. Dept. Gas, Elec., Heat and Water, Pub. Serv. Com. of Mo., and *for mail*, Jefferson City, Mo.
- WHITMAN, Ray B. (Associate-Member, 1918), Asst. Ch. Inspector, U. S. Shipping Board, Emergency Fleet Corp., Perry Payne Bldg., 9th Dist. Great Lakes, and *for mail*, 2061 E. 90th St., Cleveland, Ohio.
- WHITMORE, Ralph D. (Associate-Member, 1918), Supervising Engr., Amer. Standard Metal Products Corp'n., Paulsboro, N. J.
- WHITNEY, Amos (1913), Secy., Treas., The Whitney Mfg. Co., and *for mail*, 568 Farmington Ave., Hartford, Conn.
- WHITNEY, Clarence E. (1911), Pres., Genl. Mgr., The Whitney Mfg. Co., 237 Hamilton St. and 226 Kenyon St., Hartford, Conn.
- WHITNEY Elmar H. (Associate-Member, 1918), Ind. Engr., Remington Arms U. M. C. Co., Boston Ave., Bridgeport, and *for mail*, 128 Sutton Ave., Stratford, Conn.
- *WHITNEY, Herbert A. (1916), Asst. Battery Comdr., C. A., U. S. A.; Ch. Engr., Shaw-Batches Shipbldg. Co., South San Francisco, and *for mail*, 1815 San Antonio St., Alameda, Cal.
- WHITNEY, Leslie D. (Junior, 1913), V. P., Leslie Salt Refining Co., 544 Market St., San Francisco, and San Mateo, Cal.
- WHITNEY, William F. (1913), Ch. Engr., Ansonia Branch, The Am. Brass Co., Main St., and *for mail*, 47 Franklin St., Ansonia, Conn.
- WHITNEY, Wm. M. (Associate, 1886), Winchendon, Mass.
- WHITNEY William S. (1911), Supervising Engr., Am. Woolen Co., 245 State St., Boston, and *for mail*, 177 E. Haverhill St., Lawrence, Mass.
- WHITON, Herbert S. (1915), Supt., Mfr., The Minneapolis Genl. Elec. Co., 15 S. 5th St., and 4901 Vincent Ave., S. Minneapolis, Minn.

- WHITON, Lucius E. (1905), Mgr., M. E., D. E. Whiton Mch. Co., 190 Howard St., and *for mail*, 71 William St., New London, Conn.
- WHITSITT, Wm. B. (1918), Ch. Draughtsman, B. & O. R. R., Motive Power Dept., Mt. Clare, and *for mail*, 2808 Clifton Ave., Baltimore, Md.
- WHITTED, Thomas B. (1900; 1903), M.E. 1100 Realty Bldg., and 808 East Blvd., Charlotte, N. C.
- WHITTEMORE, Herbert L. (1903; 1910), Assoc. Engr. Physicist, Bureau of Standards, Washington, D. C., and *for mail*, 4 Oxford St., Chevy Chase, Md.
- WHITTIER, Charles R. (1909), Engr., Butterworth-Judson Corp'n., Newark, N. J., and *for mail*, 500 W. 114th St., New York, N. Y.
- WHITTLESEY, James T. (1907), Cons. Engr., Claus Spreckels Bldg., San Francisco, and 2249 Predmont Ave., Berkeley, Cal.
- WHYTE, Frederic M. (1902), Vice-President, 1908-1910; V. P., Hutchins Car Roofing Co., 103 Park Ave., New York, and *for mail*, 14 Benedict Ave., Tarrytown, N. Y.
- *WHYTE, Jessel S. (Junior, 1917), Capt., Co. F., 310 Engrs., A. E. F., France, via New York; Secy., Supt., Macomber & Whyte Rope Co., Kenosha, Wis.
- WHYTE, John S. (1902), M.E., Arcadia Coal Co., Ltd., Stellarton, N. S., Canada.
- WICHUM, Victor (Associate-Member, 1916), Sales Engr., C. J. Tagliabue Mfg. Co., 904 Old South Bldg., Boston, and 9 Fairfield St., Cambridge, Mass.
- WICKERSHAM, Nathan R. (1907), Supt., Ingersoll-Rand Co., Painted Post, and 106 E. 5th St., Corning, N. Y.
- WICKHAM, James S. (Associate, 1918), Genl. Foreman, Crucible Steel Co. of America, Ord. Dept., Harrison, and *for mail*, 929 S. 17th St., Newark, N. J.
- WICKSTROM, Hans (Associate-Member, 1918), Grinding Mch. Salesman, Norton Grinding Co., Worcester, Mass.
- *WIDDICOMBE, R. A. (1898; 1906), Maj. of Engrs., C. Q. M., P. O. Box 1821, Washington, D. C.
- WIDERBERG, Oscar A. (Associate, 1918), M. M., The Am. Steel & Wire Co., Fairmont Ave., and *for mail*, 238 Fairmont Ave., New Haven, Conn.
- WIDMER, Jules A. (1918), Exper. Engr., Confidential Exper. & Research Wk., Sperry Gyroscope Co., and *for mail*, 531-A Washington Ave., Brooklyn N. Y.
- *WIEBER, George A. (Junior, 1915), Corp., Ord. Dept., U. S. A., Advance Ord. Depot No. 1, France, and *for mail*, 86 Hooper St., Brooklyn, N. Y.
- WIEDEMANN, Frank R. (Junior, 1914), Weber Elec. Co., and *for mail*, 231 Seward Pl., Schenectady, N. Y.
- *WIELAND, Charles F. (1901), Capt., O. R. C., U. S. A., Manila Ord. Depot, Manila, P. I., and Cons. Engr., 1803 Claus Spreckels Bldg., San Francisco, Cal.
- WIESE, Oscar H. (Junior, 1916), Asst. Engr., Diesel Eng. Dept., U. S. Shipping Bd., Emergency Fleet Corp'n., 140 N. Broad St., and *for mail*, 539 N. Allison St., Philadelphia, Pa.
- WIGGERS, John (Junior, 1917), Ch. Engr., Moreland Motor Truck Co., 1701 N. Main St., and *for mail*, 605 Plymouth St., Los Angeles, Cal.
- WIGHT, Harry C. (Associate-Member, 1917), Genl. Supt. Div. of Water, City of Dayton, care of Dayton Water Wks., and *for mail*, 132 E. Monument Ave., Dayton, O.
- *WIGHTMAN, George A. (Junior, 1916), 1st Lieut., Corps of Engrs., U. S.

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- WIGHTMAN George H. (1916), M.E., Gorham Mfg. Co., Earl St., and 185 Sumter St., Providence, R. I.
- WIGREN, Clarence F. (Junior, 1915), Draftsman, Downey Shipbldg. Corp'n., Arlington, S. I., and *for mail*, 904 55th St., Brooklyn, N. Y.
- WIKLE, James T. (1917), Purch. Agt., M.E., Fulton Bag & Cotton Mills, and *for mail*, 103 Springdale Rd., Druid Hills, Atlanta, Ga.
- WIKSTROM, Malcolm U. (1915), Genl. Supt., Pittsburgh Steel Products Co., Monessen, Pa.
- *WILBER, Dana W. (1916), Capt., 24th Engrs., E. O. R. C., Camp Dix, N. J.; Asst. Engr., S. Firestone, 1003 Granite Bldg., Rochester, N. Y.
- *WILBUR, R. L. (Junior, 1917), 1st Lieut., Ord. Dept., U. S. A., Off. of Insp'r. of Ord., Am. Car & Fdy. Co., Detroit, Mich., and 515 Delaware Ave., South Bethlehem, Pa.
- WILBUR, Ralph S. (1912; Associate-Member, 1916), Asst. Prof. Mech. Engrg., Lafayette College, 7 Pardee Hall, and 109 Ferry St., Easton, Pa.
- WILBUR, Ralston T. (Associate, 1907), Cons. M.E., Olympic Club, San Francisco, Cal.
- WILCOX, C. C. (1905; 1915), Asst. to Cons. E. E., Hodenpyl, Hardy & Co., Commonwealth Bldg., and 120 Homecrest Rd., Jackson, Mich.
- WILCOX, Herbert M. (1912; 1918), Industrial Engr., Winchester Repeating Arms Co., and *for mail*, 153 Livingston St., New Haven, Conn.
- WILCOX, Joseph, Jr. (1913; Associate-Member, 1916), Supt., Fitchburg Grinding Mch. Co. and *for mail*, 10 Weymouth St., Fitchburg, Mass.
- WILCOX, Perley S. (1899; 1914) Asst. Mgr. Kodak Park Wks., Eastman Kodak Co., and *for mail*, 84 Beverly St., Rochester, N. Y.
- WILCOX, Ralph M. (1916), C. E., City Engr., Bldg. Insp'r., Municipal Bldg., Middletown, Conn.
- ✓ WILCOJ, William F. (1917), Supt. Central Water Wks., Tenn. Coal, Iron & R. R. Co., and 2714 Ensley Ave., Ensley, Ala.
- WILDE, John R. (1915), Ch. Engr. Power Plants, The Detroit Edison Co., 18 Washington Ave., Detroit, and 74 Waverly Ave., Highland Park, Mich.
- WILDE, Robert (1914), Genl. Mgr., Mich. Gear & Engrg. Co., 11-13 Woodbridge St., W., and 49 Maplewood Ave., Detroit, Mich.
- WILDER, Carl D. (1918), Asst. to Supt., Reed-Prentice Co., Cambridge St., and *for mail*, 682 Main St., Worcester, Mass.
- WILDER Clifton W. (1907), E. E., Pub. Serv. Comm., 49 Lafayette St., New York, and 117 Roxbury Rd., Garden City, L. I., N. Y.
- WILDER, Frank E. (1916), Prod. Engr., Colt Patent Fire Arms Co., Hartford, Conn.
- WILDER, Stuart (Associate, 1904), Ch. Elec. Engr., Westchester Ltg. Co., Mt. Vernon, and Paine Ave., New Rochelle, N. Y.
- WILDER, Sylvanus W. (1907; 1914), Supt., Dolphin Jute Mills, and *for mail*, 64 17th Ave., Paterson, N. J.
- WILDER, T. Edward (Associate, 1917), Pres., Wilder & Co., 226 W. Lake St., Chicago, and Elmhurst, Ill.
- WILDIN, George W. (1901), Genl. Mgr., Westinghouse Air Brake Co., Genl. Office, Wilmerding, and Hotel Schenley, Pittsburgh, Pa.
- WILEY, Edgar C. (1903), Cons. Engr., Wiley & Wilson, Peoples Natl. Bank Bldg., and 2477 Rivermont Ave., Lynchburg, Va.
- WILEY, Wm. H. (1880), Treasurer, 1884-1917; Pres., John Wiley & Sons, Inc., 432 4th Ave., New York, N. Y., and 73 Halstead St., East Orange, N. J.

- *WILFERT, Geo. (1917; 1918), Capt., Ord. Dept., U. S. A., So. Mch. Co., Chattanooga, Tenn.
- WILHELM, Dean B. (1914), Engrg. Dept., Mech. Exper. Div., E. I. du Pont de Nemours & Co., Hopewell Wks., City Point, Va.
- WILHELM, Edward A. (1912), Ch. Draftsman, Am. Hoist & Derrick Co., and *for mail*, 1711 Lincoln Ave., St. Paul, Minn.
- WILHELM, John H. (Associate-Member, 1917), Ch. Engr., Blair Tool & Mch. Wks., 515-521 Greenwich St., New York, N. Y.
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- WILKE, William (1893), Mech., Civil and Chem. Engr., 86 Norwood Ave., Buffalo, N. Y.
- WILKIE, Donald C. (1911) Mgr., Middleton Tin Mines, Ltd., Sime, Darby & Co., Ltd., Ting Kil, Kota Tinggi, Johore, via Singapore Straits, and Poste Restante, Dundee, Scotland.
- WILKIN, John T. (1898), Pres., Mech. Engr., The Connersville Blower Co., and *for mail*, 905 Grand Ave., Connersville, Ind.
- *WILKINS, Charles N. (Junior, 1916), Flying Cadet, Air Serv., Co. G., Camp Dick, Dallas, Tex.; Estimating Engr., Braemer Air Conditioning Corp'n., La Fayette Bldg., Philadelphia, Pa., and *for mail*, 573 Clinton St., Camden, N. J.
- WILKINSON, Cecil T. (Junior, 1908), Cons. Engr., 42 Bank Bldgs., Kingsway, W. C., and *for mail*, 8 Culmington Rd., Ealing, W., London, England.
- WILKINSON, Clarence M. (Associate-Member, 1915), Ch. Engr., Firestone Steel Products Co., Miller & Schweitzer Aves., and *for mail*, 19 Hurlburt Ave., Akron, O.
- WILKINSON, James (1917), Cons. Engr., Genl. Elec. Co., and *for mail*, 20 Union St., Schenectady, N. Y.
- WILKINSON, John (1907), V. P., H. H. Franklin Mfg. Co., and *for mail*, 1065 James St., Syracuse, N. Y.
- WILKINSON, John B. (Junior, 1918), Asst. Engr., Union Dye-Chem. Corp'n., and *for mail*, Federal Club, Kingsport, Tenn.
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- WILKINSON, Turner A. (Associate, 1918), Sales Mgr., Erie City Iron Wks., Baltimore Office, 915 Equitable Bldg., Baltimore, Md.
- WILLARD, Donald E. (1918), V. P. & Secy., Decatur Malleable Iron Co., Decatur, Ill.
- WILLARD, Frank H. (Associate, 1917), Asst. Genl. Mgr., Dir., Graton & Knight Mfg. Co., 21 Shaffner St., Worcester, Mass.
- WILLARD, James A. (Associate-Member, 1918), Ch. Draftsman, E. I. du Pont de Nemours & Co., and *for mail*, care Du Pont Hotel, City Point, Virginia.
- WILLARD, John A. (Associate-Member, 1918), Engr., Bemis Bro. Bag Co., 601 S. 4th St. and 32 Maple Ave., Webster Groves, Mo.
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- WILLCOX, George B. (1895; 1908), Pres., Genl. Mgr., Willcox Engrg. Co., Willcox Engrg. Co. Bldg., and *for mail*, 900 S. Warren Ave., Saginaw, Mich.
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- WILLETT, Francis M. (Junior, 1916), Designer, F. A. Sayles, Eng. Dept., Slater Trust Bldg., Pawtucket, and *for mail*, 31 Ashmont St. Providence, R. I.
- WILLETT, Wallace (1914), 185 N. Arlington Ave., East Orange, N. J.

- WILLETTE, Charles W. (Associate, 1913), Cons. Engr., California Batrel Co., 825 Yeon Bldg., Portland, Ore.
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- WILLIAMS, Berkeley (Junior, 1917), Ch. Engr., The F. H. Lawson Co., 8th & Evans Sts., Cincinnati, and 3921 Spencer Ave., S. Norwood, O.
- WILLIAMS, C. Seymour (Associate, 1917), V. P., Genl. Mgr., Central River Coal & Supply Co., Box 184, Sunbury, Pa.
- WILLIAMS, Charles E. (1917), Genl. Mgr., Secy., William L. Gilbert Clock Co., and *for mail*, 261 N. Main St., Winsted, Conn.
- WILLIAMS, Chas. H. (1914), Litchfield, Ill.
- WILLIAMS, D. Curtis (1891), M. E., 664 Maryland Ave., Pittsburgh, Pa.
- WILLIAMS, David G. (Associate-Member, 1918), Ch. Engr., Trojan Powder Co., Hunsicker Bldg. and *for mail*, 1836 Turner St., Allentown, Pa.
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- WILLIAMS, Ernest D. (Junior, 1905), Engr., Ship Propulsion Div., Turbine Engrg. Dept., Genl. Elec. Co., Erie, Pa.
- *WILLIAMS, Fay B. (1912; 1914), Capt., Ord. Dept., U. S. A., Watertown Arsenal, Watertown Mass., and *for mail*, 20 Burr St., Jamaica Plain, Mass.
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- WILLIAMS, George L. (Junior, 1917), M. E., Charge of Power Pts., Empire Zinc Co., Hanover, New Mex.
- WILLIAMS, George W. (1904; 1907), Factory Mgr., Detroit Shell Co., Carlton Ave., Detroit, Mich.
- WILLIAMS, Harvey D. (1912), Wallingford, Conn.
- *WILLIAMS, Harold E. (Associate, 1915), Capt., Field Art., O. R. C., Pres., Ry. Materials Export Corp., 149 Broadway, New York, N. Y., and Ridgewood, N. J.
- *WILLIAMS, Harold J. (1915; Associate-Member, 1917), 1st Lieut., Ord. Dept., U. S. A., Mobile Gun Carriage Sec., Engrg. Div., 6th & Main Sts., Bldg. "E," and *for mail*, 4417 Iowa Ave., N. W., Washington, D. C.
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- WILLIAMS, Irving (1913), Cumberland Valley R. R., and *for mail*, 571 Montgomery Ave., Chambersburg, Pa.
- WILLIAMS, Jarvis, Jr. (1916), Genl. Mgr., Amm. Wks., Remington Arms U. M. C. Co., Woolworth Bldg., New York, N. Y., and *for mail*, 101 Elmwood Pl. Bridgeport, Conn.
- WILLIAMS, Lewis E. (Associate-Member, 1916), Ch. Draftsman, Dredging Div., The Panama Canal, Paraiso, Canal Zone.
- WILLIAMS, Llewellyn (1907), Engr., Shipley Constr. Co., 66 Warren St., Brooklyn, and *for mail*, Hollis Park Blvd., Hollis, L. I., N. Y.
- WILLIAMS, Louis W. (Associate, 1912), Dist. Sales Mgr., Union Drawn Steel Co., 460 Washington St., New York, N. Y.
- WILLIAMS, N. N. (1913; Associate-Member, 1914), Cons. Mech., Civil and Elec. Engr., 3216 Prospect St., Kansas City, Mo.
- *WILLIAMS, Paul (Junior, 1917), 1st Lieut., Ord. Dept., U. S. A., Inspec. Div., Holt Mfg. Co., Stockton, Cal.

- WILLIAMS Richard C. (Associate-Member, 1915), Secy., Alberger Pump & Cond. Co., Rm. 710, 140 Cedar St., New York, N. Y., and 465 Park Ave., East Orange, N. J.
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- *WILLIAMS, Samuel C. (Junior, 1917), 1st Lieut., Ord. R. C., care of Chief Ord. Officer, U. S. A., Field P. O. No. 717, A. E. F., France.
- *WILLIAMS, Samuel S. (Associate-Member, 1917), Avia. Sec., Sig. R. C., U. S. A., 129 E. 5th St., Leadville, Colo.
- *WILLIAMS, Silas (Junior, 1917), Capt., Ord. Dept., U. S. A., 109 Ord. Depot Co., Camp Taylor, Louisville, Ky., and *for mail*, 229 Grove St., Chicopee, Mass.
- WILLIAMS, Tracy B. (1914), Ch. Draftsman, The Cleveland Metal Products Co., Ivanhoe Plant, 1135 Ivanhoe Rd., and *for mail*, 1911 E. 87th St., Cleveland, O.
- WILLIAMS, Walter G. (1911), Engr.-in-Charge Mid-Continent Div., U. S. Bureau of Oil Conservation, and Cons. Engr., Oklahoma City, Okla.
- WILLIAMS, William E. (1914), Local Engr., Am. Car & Fdy. Co., and *for mail*, 1303 Market St., Berwick, Pa.
- WILLIAMS, William H. (Associate-Member, 1916), Draftsman, Carnegie Steel Co., and *for mail*, 225 Laurel Ave., New Castle, Pa.
- WILLIAMSON, Charles S. (1914), V. P., Mead-Morrison Mfg. Co., and So. Shore Country Club, Chicago, Ill.
- WILLIAMSON, George E. (1906; 1913), Ch. Engr., Stratmore Paper Co., Mittineague, and 30 Firglade Ave., Springfield, Mass.
- WILLIAMSON, Richard A. (Associate-Member, 1917), Genl. Supt., Elyria Mch. Co., and *for mail*, 105 Grace Court, Elyria, O.
- WILLINK, William A. T. (1912), Sugar Engr., M. H. Treadwell Co., 140 Cedar St., New York, and *for mail*, 100 Elmwood St., Woodhaven, N. Y.
- WILLIS, Edward J. (1895; 1896), Administrative Engr. Dir. of Conservation for Virginia, U. S. Fuel Admin., 111 Mutual Bldg., Richmond and Henrico Co., Va.
- WILLISTON, Arthur L. (1896; 1899), Prin., Wentworth Inst., Boston, and *for mail*, 27 Kilsyth Rd., Brookline, Mass.
- WILLISTON, Belvin T. (1905), Wks. Mgr., Manning, Maxwell & Moore, Inc., Boston Wks., Boston, and 3 Monmouth St., Somerville, Mass.
- WILLIUS, Gustav, Jr. (1916), Secy., Robinson, Cary & Sands Co., and *for mail*, 961 Portland Ave., St. Paul, Minn.
- WILLOCK, S. R. (1912), Asst. Sales Engr., United Engrg. & Fdy. Co., 2313 Farmers Bank Bldg., and 5715 Woodmont St., Pittsburgh, Pa.
- WILLS, C. Harold (1909), Ford Motor Co., and *for mail*, 1760 Jefferson Ave., E., Detroit, Mich.
- WILLSON, Frank J. (Junior, 1913), Asst. Supt., R. E. Chapin Mfg. Co., 29 Liberty St., and *for mail*, 15 Norris Ave., Batavia, N. Y.
- WILLSON, Frederick N. (1883), Prof. Descriptive Geom. and Tech. Drawing, Princeton Univ., and *for mail*, Box 63, Princeton, N. J.
- WILMORE, John J. (1893), Dean Sch. of Engrg., Ala. Poly. Inst., Auburn, Ala.
- WILMOT, Russell C. (Associate-Member 1917), Prod. Engr. in Small Arms Sec. Prod. Div., Dist. Officer, and *for mail*, 633 Clinton Ave., Bridgeport, Conn.
- WILMS, Hermann (Junior, 1914), M. E., 6013 Bartmer Ave., St. Louis, Mo.
- WILSON, Alfred B. (Associate-Member, 1916), Local Commer. Mgr., N. Y. Tel. Co., 307 Park Ave., and 132 Crescent Ave., Plainfield, N. J.

- WILSON, Amyuit L. (Associate, 1916), Engr. of Test, E. I. du Pont de Nemours & Co., Hopewell, and 10 Barksdale Ave., City Point, Va.
- WILSON, B. N. (1904), Prof., M. E., Supt. Mech. Arts, Univ. of Ark., 241 College Ave., Fayetteville, Ark.
- WILSON, Benjamin W. (1918), 1713 N. 42nd St., Philadelphia, Pa.
- WILSON, Charles B. (1918), Pres. & Genl. Mgr., Wilson Fdry. & Mach. Co., Pontiac, Mich.
- WILSON, Charles E. (1912), Asst. Genl. Sales Engr., Worthington Pump & Mch. Corp'n., 115 Broadway, New York, N. Y.
- WILSON, Chester W. (1911; Associate-Member, 1918), Asst. Shop Supt., U. S. N. Dept. Hull Div., Boston Navy Yard, Boston, and *for mail*, 5 Adams St., Medford Hillside, Mass.
- WILSON, Chester W. (1918), Cons. Engr., Mexican Dept., Amer. Smelting & Ref. Co., 1101 Mills Bldg., El Paso, Texas.
- WILSON, Geo. S. (1907; 1914), Assoc. Prof. M. E., Univ. of Wash., Seattle, Wash.
- WILSON, H. Dalzell (1903; 1912), Pres., Wilson-Snyder Mfg. Co., 2 Ross St., Pittsburgh, and Thornburg, Allegheny Co., Pa.
- WILSON, H. Howell (1913), Engr., United Gas & Elec. Engrg. Corp., 61 Broadway, New York, N. Y., and care of Harrisburg Light & Power Co., Harrisburg, Pa.
- WILSON, Harland H. (1918), Designing Engr., McKipney Steel Co., 805 Perry Payne Bldg., Cleveland, Ohio.
- *WILSON, Henry C. (1915), Maj., C. A. C., U. S. A., Ft. Totten, N. Y., and 771 West End Ave., New York, N. Y.
- *WILSON, Henry L. (Associate-Member, 1918) Lieut., Q. M. C., A. E. F., France, and 710 Euclid Ave., Bristol, Va.
- WILSON, Henry M. (1911), Dist. Agt., Pittsburgh Valve, Fdy. & Constr. Co., 1250 Rockefeller Bldg., Cleveland, and 1648 Glenmont Rd., Cleveland Heights, O.
- WILSON, Howard B. (Associate-Member, 1917), Industrial Engr., New Departure Mfg. Co., and *for mail*, 184 High St., Bristol, Conn.
- WILSON, Hugh M. (Associate, 1913), 137 E. 66th St., New York N. Y.
- WILSON, Jacob D. (1903; 1914), Pres., Genl. Mgr., Am. Elev. & Mch. Corp., 113-115 Cedar St., New York, and *for mail*, 1270 Ocean Ave., Brooklyn, N. Y.
- WILSON, James (1913), Engr., Steam Turbine Dept., Allis-Chalmers Mfg. Co., and 576 69th Ave., West Allis, Wis.
- *WILSON, James A. (Junior, 1915), Co. L, 334th Inf., Camp Taylor, Louisville, Ky.
- WILSON, James E. (1887), M. E., 205 W. 122d St., New York, N. Y.
- WILSON, James H. (Associate-Member, 1916), 6 Arnold Ave., Amsterdam, N. Y.
- WILSON, James W. (1914), Supt. Lower Depts., Natl. Tube Co., and 1200 Park St., McKeesport, Pa.
- WILSON, John C. (1917), Engr., The Cutler-Hammer Mfg. Co., 12th & St. Paul Ave., and 593 Farwell Ave., Milwaukee, Wis.
- WILSON, Jonathan A. (1916), Purch. Agt., Todd Shipyards Corp'n., 15 Whitehall St., New York, and *for mail*, 232 Edgewater St., Rosebank, N. Y.
- WILSON, Joseph B. (1917; 1918), Commer. Engr., Power Div., Westinghouse Elec. & Mfg. Co., 111 W. Washington St., and *for mail*, 9737 Vanderpoel Ave., Chicago, Ill.
- WILSON, Joseph H. (1917), Asst. to Genl. Supt., The Am. Rolling Mill Co., and 824 Stanley Ave., Middletown, O.
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- WILSON, Nelson C. (1906), M. E., Dollar Savings and Trust Bldg., Federal St., N. S., Pittsburgh, Pa.
- WILSON, Oliver W. (Junior, 1917), Engr. Cost Engrg. Dept., The Barrett Co., 17 Battery Pl., New York, N. Y., and *for mail*, 26 Stockton Pl., East Orange, N. J.
- WILSON, Percy H. (1912), Cons. Engr., 1232 Land Title Bldg., Philadelphia, and Devon, Pa.
- WILSON, Robert A. (1910; Associate-Member, 1916), Mgr., Lucey Mfg. Corp., Box 323, and 309 Fargo Ave., Houston, Tex.
- WILSON, Roger J. (Associate-Member, 1918), Computer in the Seacoast & Railway Mount Sect., Engrg. Bureau, Ord. Dept., 1800 E. St., and *for mail*, 1810 Calvert St., N. W., Washington, D. C.
- WILSON, Thomas (1917), West. Editor, Power, McGraw-Hill Publishing Co., Inc., Rm. 1570 Old Colony Bldg., and 711 E. 50th St., Chicago, Ill.
- WILSON Thomas B. (Associate-Member, 1914), Asst. Combustion Engr., E. I. du Pont de Nemours & Co., Du Pont Bldg., Wilmington, and *for mail*, 112 S. Union Ave., Havre de Grace, Md.
- WILSON, Wm. R. (Junior, 1899), V.-P., Alberger Pump & Cond. Co., 140 Cedar St., New York, N. Y.
- WILT, A. D., Jr. (1913), Pres., The Schweppe & Wilt Mfg. Co., 70 Conant Ave., Detroit, Mich.
- *WINDLE, Arthur E. (Junior, 1918), 2nd Lieut., Air Serv., A. S. R. C. B. No. 3, A. P. O. 725, A. E. F., France.
- WINE, William E. (1916), Pres., The Wine Ry. Appliance Co., and 14 Columbia St., Toledo, O.
- WING, Chester E. (Associate-Member, 1914), Engr., The G. M. Parks Co., 970 Main St., Fitchburg, and *for mail*, 1045 Main St., N. Leominster, Mass.
- WINGE, Otto C. (Associate-Member, 1916), Engr., United Paper Box Co., of Am., Inc., 33 33rd St., and *for mail*, 16 Oakland Pl., Brooklyn, N. Y.
- WINGO, Richard T. (1910), Pres., Superior Mch. & Engrg. Co., 51-53 Fort St., E., and *for mail*, 43 Euclid Ave., E., Detroit, Mich.
- WINSHIP, W. E. (1908), South. Sales Mgr., Mexican Petroleum Corp'n., Whitney Central Bank Bldg., and 1806 Robert St., New Orleans, La.
- WINSOR Paul (1910), Farmer, 814 Stockbridge St., Bradentown, Fla.
- WINTER, James M. (Associate-Member, 1915), Asst. Supt. Engr., U. S. A., T. S., 45 Broadway, New York, and *for mail*, Mill & U Aves., Brooklyn, N. Y.
- WINTERCORN, John, Jr. (Junior, 1916), Mch. Designer, Jos. T. Ryerson & Son, 16th & Rockwell Sts., and *for mail*, 6358 Ellis Ave., Chicago, Ill.
- WINTERLING, Clee C. (Junior, 1917), Steam Engr., Clairton Steel Wks. & Furnaces, Carnegie Steel Co., and *for mail*, Box 331 Clairton, Pa.
- WINTERROWD, William H. (1907; 1916), Asst. Ch. M. E., Canadian Pac. Ry., and *for mail*, 277 Hingston Ave., Montreal, Que., Canada.
- WINTHER, Chas. A. G. (1897; 1900), Pres., Genl. Mgr., The Chas. A. G. Winther Co., Inc., 85 High St., Boston, and 128 Highland Rd., West Somerville, Mass.
- WINTON, Alexander (1913), Pres., The Winton Co., Bera Rd., Cleveland, and Lake Ave., Lakewood, O.

- WINTROATH, John A. (Associate-Member, 1916), Ch. M.E., Layne & Bowler Co., Memphis, Tenn.
- WINTZER, Rudolph (1908), 687 Farwell Ave., Milwaukee, Wis.
- WISCHMEYER, Carl (Associate-Member, 1913), Supt., Rose Poly. Inst., and for mail, 203 Madison Blvd., Edgewood Grove., Terre Haute, Ind.
- WISE, Allen S. (Junior, 1917), Draftsman, E. I. du Pont de Nemours & Co., Du Pont Bldg., and for mail, 504 Taylor St., Wilmington, Del.
- WISELOGEL, Robert F. (1918), 2nd V. P., John Nooter Boiler Wks. Co., 1400 S. 2nd St., and for mail, 3549 Henrietta St., St. Louis, Mo.
- WISHART, William D. (1913), M. M., Bausch & Lomb Optical Co., 635 St. Paul St., and 55 Tacoma St., Rochester, N. Y.
- WISNER, George M. (1907), Ch. Engr., Chicago Drainage Canal, 900 S. Michigan Ave., Chicago, Ill.
- WISSCHUSEN, Walter (Junior, 1916), Exp. Engr., The Barrett Co., 17 Battery Pl., New York, N. Y., and for mail, 61 Rossmore Pl., Belleville, N. J.
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- *WITHINGTON, Sidney (1908; 1916), 1st Lieut., Co. 2, Sec. "B," E. O. T. S., Camp Humphreys, Va. and for mail, 86 Linden St., New Haven, Conn.
- WITHROW, Paul C. (1914), Mech. Engr., Denver Rio Grande R. R. Co., Burnham Sta., and for mail, 1310 East Colfax, Denver, Colo.
- WITKER, Charles J. (1918), Mech. Engr., Baker Bros., Post & Westlake Sts., and for mail, 848 Virginia St., Toledo, O.
- WITMER, Roy C. (Associate, 1918), Sec'y. and Genl. Mgr., Blake Pump & Condenser Co., and for mail, Fitchburg, Mass.
- WOHLENBERG, Walter J. (Associate-Member, 1917), Asst. Prof. Mech. Engrg., Sheffield Scientific Sch., Yale Univ., Mason Lab., New Haven, Conn.
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- WOLCOTT, Ward S. (Associate-Member, 1917), Supv. of Inspc., U. S. Ord. Dept., Book Bldg. and for mail, 1809 W. Grand Blvd., Detroit, Mich.
- WOLF, Robert B. (1913), Mgr., Spanish River Pulp & Paper Mills, Ltd., Summit Ave., Saulte Ste. Marie, Ont., Canada; Staff Asst. to V.-P., Constr. Dept., U. S. Emergency Fleet Corp'n., 140 N. Broad St., and for mail, The Normandy, 36th and Chestnut Sts., Philadelphia, Pa.
- WOLFE, Elvin A. (1912), Supt., Penn-Allen Cement Co., and 152 S. Broad St., Nazareth, Pa.
- WOLFE, Henry G. (1914), New York Edison Co., Engrg. Dept., 15th St. and Irving Pl., New York, and 11 Woodcrest Ave., White Plains, N. Y.
- WOLFE, John A. (Associate-Member, 1918), Power Supt., Am. Brass Co., Ansonia Branch, Ansonia, Conn.
- WOLFE, John (1915), M. E., Cleveland Elec. Ill. Co., Illuminating Bldg., Cleveland, and 1864 Knowles St., E. Cleveland, O.
- WOLFF, John F. (Junior, 1918), Engr., The Schwartz Wheel Co., Margaret St. & P. R. R., Frankford, and for mail, 2334 W. Thompson St., Philadelphia Pa.
- WOLFF, Salomon (1914), Dist. Mgr., De Laval Steam Turbine Co., 933 Peoples Gas Bldg., Chicago, Ill.
- WOLFF, William S. (Junior, 1917), Prop., Wolf Motor Car Co., 811-815 E. 7th St., and 914 Beech St., St. Paul, Minn.
- WOLFGANG, William H. (Junior, 1915), Designer, Natnl. Supply Co., 2274 Whitney Ave., Toledo, O.

- WOLFNER, Ira W. (Junior, 1915), Asst. Treas. & Pur. Agt., Natl. Cooperage & Woodenware Co., and 143 High St., Peoria, Ill.
- WOLLENSAK, H. P. (Associate-Member, 1918), Sales Engr., Wisconsin Motor Mfg. Co., Sta. A., and *for mail*, 852 Richards St., Milwaukee, Wis.
- WOLLHEIM, Walter E. (Associate-Member, 1917), Pres. & M. E., Alloy Fdy. & Mch. Corp'n., 73 Cedar St., New Rochelle, N. Y.
- WOLTON, J. D. (Junior, 1903), Ch. Engr., Ingersoll-Rand Co., 165 Queen Victoria St., London, E. C., and 81 Vinegard Hill Rd., Wimbledon Pk., London, S. W., England.
- WONG, Jee-Kwun (Junior, 1916), Engr., Oxweld Acetylene Co., and *for mail*, 1138½ Broad St., Newark, N. J.
- *WOOBANK, Wilfred (Junior, 1917), Prvt., Meteorological Sec., Sig. Corps, Tex. A. & M. College, College Sta., Tex.
- WOOD, Alan A. (Junior, 1914), Sales Engr., Builders Iron Fdy., 9 Codding St., and *for mail*, 16 Glendale Ave., Providence, R. I.
- WOOD, Albert C. (1894; 1900; 1904), Cons. Engr., 1203 Stock Exch. Bldg., 52d St. and Gainor Rd., Wynnesfield, Philadelphia, Pa.
- WOOD, Arthur (1918), Melbourne, Australia, and *for mail*, care of W. R. Grace & Co., 7 Hanover Sq., New York, N. Y.
- WOOD, Arthur J. (1898; 1907), Prof. Railroad M. E., Cons. E., Pa. State College, and *for mail*, 410 Allen St., State College, Pa.
- WOOD, Augustus (1901), Mgr., The Niles Tool Wks. Co., 609 N. 3rd St. and 306 S. D St., Hamilton, O.
- WOOD, Benjamin F. (1897; 1907), B. F. Wood Engineers, Inc., Woolworth Bldg., New York, N. Y., and *for mail*, 19 Clinton Ave., Maplewood, N. J.
- *WOOD, Charles E. (Junior, 1916) Top Sergt., Chem. Warfare Sec., N. A., Base Section No. 3, S. O. S., Goring Hotel, Grosvenor Gardens, London, S. W., England.
- WOOD, Clark O. (Associate, 1916), Spec. Agt., The Home Ins. Co., 604 New Hayden Bldg., and *for mail*, 1458 Highland St., Columbus, O.
- WOOD, David W. (Associate, 1917), Pres., The Wood Turret Mch. Co., and 3 Kruzan St., Brazil, Ind.
- WOOD, Dennistoun (1914), Asst. M.E. & Engr. of Tests, U. S. R. R. Administration, S. P. R. R., 940 South Pac. Bldg., San Francisco, and *for mail*, 628 Webster St., Palo Alto, Cal.
- WOOD, Edward R., Jr. (Junior, 1900), Life Junior; Pres., The Tampa Water Wks., Tampa, Fla., and 409 Chestnut St., and 245 So. 17th St., Philadelphia, Pa.
- WOOD, Ernest H. (1913), M. E., East. Malleable Iron Co., and *for mail*, 2300 Monroe St., Wilmington, Del.
- WOOD, Erwin E. (1900), Life Member; Salesman, Jones & Lamson Mch. Co., and *for mail*, 208 Philadelphia Ave., E., Detroit, Mich.
- WOOD, Frank J. (1899), Ch. Engr., Marx & Rawolle, 9 Van Brunt St., and *for mail*, 25 Clinton St., Brooklyn, N. Y.
- WOOD, Fred L. (1916), Supt., The Aeolian Co., Tremont St., and *for mail*, 175 Elm St., Meriden, Conn.
- WOOD, Fredrick W. (1913), Genl. Mgr., Bethlehem Steel Co., Md. Plant, Sparrows Point, and *for mail*, Keyworth Ave., Baltimore, Md.
- WOOD, George R. (1906), Pres., West Branch Mining Co., Union Bldg., and 1808 Kanawha St., Charleston, W. Va.
- WOOD, Gleason (1914), Asst. Genl. Supt., Waltham Watch Co., and *for mail*, 87 Maple St., Waltham, Mass.
- WOOD, Harold J. (Junior, 1918), Process Engr., Remington Arms U. M. C. Co., Boston Ave., and *for mail*, 1269 Kossuth St. Bridgeport, Conn.

- WOOD, Harry P. (1914), Operating Supt., Edison Elec. Illum. Co. of Brooklyn, 360 Pearl St., and 741 Elmore Pl., Brooklyn, N. Y.
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- WOOD, Henry M. (Associate, 1913), The Trailmobile Co., 538 E. 5th St., and 5813 Lathrop Pl., Cincinnati, O.
- *WOOD, Horatio N. (1916), Capt. of Engrs., U. S. C. G.; Morse Dry Dock & Repair Co., Foot of 56th St., and *for mail*, Hotel St. George, Brooklyn, N. Y.
- WOOD, J. Huron (Associate, 1917), Pres., East. Mchy. & Equip. Co., 1036 Commercial Trust Bldg., Philadelphia, Pa., and *for mail*, 104 Jefferson Ave., Haddonfield, N. J.
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- WOOD, Robert (1915), Wks. Mgr., Fletcher Wks., Inc., 2nd & Glenwood Ave., Philadelphia, Pa., and *for mail*, 168 Sterling St., Flatbush, Brooklyn, N. Y.
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- WOOD, William H. (1889), Engr., Bldr. Spec. Mchy., 10 South Ave., and 43 Washington St., Media, Pa.
- WOOD, William R. (1913), Mech. Engr., Great No. Ry. Co., and 1317 Summit Ave., St. Paul, Minn.
- WOOD, Winthrop B. (1914), Mech. Supt., Joseph Bancroft & Sons Co., and *for mail*, 2206 Grant Ave., Wilmington, Del.
- WOODARD, Louis A. (1900; 1904), Pres., Treas., The Woodard Machine Co., Wooster, and 342 Nold Ave., Wooster, O.
- WOODARD, William E. (1915), V. P., Lima Loco. Wks., Inc., and 1431 Lakewood Ave., Lima, O.
- *WOODBURY, Joseph G. (Associate-Member, 1916), Maj., Ord. Dept., U. S. A., Colt Patent Fire Arms Co., Hartford, Conn.
- WOODCOCK, John (1916), Wks. Mgr., Pratt & Cady Co., 556 Capitol Ave., and *for mail*, 56 Vernon St., Hartford, Conn.
- *WOODCOCK, William E. (Junior, 1917), 2nd Lieut., E. R. C., Co. I, 34th Engrs., A. E. F., via New York, and 91 Morris St., Albany N. Y.
- WOODFIELD, George E., Sr. (1918), Flottorp Mfg. Co., Mfrs. of Airplane Propellers, 4611 W. 12th St., and *for mail*, 6638 Kenwood Ave., Chicago, Ill.
- WOODMAN, Andrew W. (1918), Pres., The Joliet Bridge & Iron Co., and De Pere Mfg. Co., 122 S. Michigan Blvd., Chicago, Ill.
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- WOODMAN, Joseph C. (Junior, 1914), Engr. & Supt. of Constr., Decarle Incinerator Co., and V.-P., Stacy Bates Co., 817 McKnight Bldg., Minneapolis, Minn.
- WOODMANSEE, Fay (1911), Cons. Engr., Woodmansee-Davidson Engrg. Co., 784 Continental & Commer. Bank Bldg., Chicago, and 430 18th Ave., Maywood, Ill.

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- WOODS, George R. (Junior, 1916), Asst. to Pres., Allied Mch. Co. of Am., 120 Broadway, and *for mail*, 31 W. 11th St., New York, N. Y.
- WOODS, Mercer H. (Junior, 1912), M. E., Bates Valve Bag Co., Chicago, Ill., and *for mail*, care of Dr. J. R. Woods, Aylmer, W., Ont., Canada.
- *WOODS, Samuel H. (Associate-Member 1915), Capt., Q. M. C., 164 E. Main St., Port Jervis, N. Y.
- WOODWARD, Arthur H. (1913), Pres., The Intl. Register Co., 15 S. Throop St., and 417 Barry Ave., Chicago, Ill.
- *WOODWARD, Hiram W. (Junior, 1916), 2nd Lieut., 106th Engrs., U. S. R.; Statistician, Alex. Brown & Sons, and *for mail*, 1307 John St., Baltimore, Md.
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- WOODY, Guy V. (Junior, 1911), Rm. 606 Second Natnl. Bank Bldg., Wilkes-Barre, and *for mail*, 26 Pettibone St., Forty Fort, Pa.
- WOOLFOLK, William G. (1916), Sec. Chief War Industries Bd., Rm. 172, Washington, D. C.; Mgr. Chicago Office, Sanderson & Porter, 72 W. Adams St., Chicago, Ill.
- WOOLEY, Harold O. (1909; Associate-Member, 1915), Res. Engr., Power Spec. Co., 111 W. Monroe St., Chicago, and 614 Hinman Ave., Evanston, Ill.
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- *WOOLSON, Clifford G. (1916), Capt., Ord Dept., U. S. A., Army Inspec., Poole Engr. & Mch. Co., and *for mail*, 2507 N. Guilford Ave., Baltimore, Md.; M.E., 39 Cortlandt St., New York, N. Y., and 176 N. 3rd St. Newark, N. J.
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- WOOLSON, Ira H. (1896), Cons. Engr., The Natl. Bd. of Fire Underwriters, 76 William St., New York, and 201 Franklin St., Astoria, L. I., N. Y.
- WOOLSON, Orosco C. (1886), Des. Engr. & Mfr., 39 Cortlandt St., New York, N. Y., and Newark, N. J.
- WOOLSON, Wm. D. (Associate, 1897), Treas., Jones & Lamson Mch. Co., and Muckross, Springfield, Vt.
- WOOTTON, H. C. (Associate-Member, 1916), Asst. Supt., Aircraft Eng. Div., Nordyke & Marmon Co., Kentucky Morris Sts., and 31 Delaware Court, Indianapolis, Ind.
- *WORBOIS Homer L. (Junior, 1914), In service, and *for mail*, 239 Augustine St., Rochester, N. Y.
- WORCESTER, H. E. (Associate, 1903), Supt., Revere Sugar Refinery, East Cambridge, and *for mail*, 10 Kirkland Rd., Cambridge, Mass.
- WORDEN, Arthur F. (Associate-Member, 1918), Fire Protection Engr., Du Pont Engrg. Co., Jacksonville, Tenn.

- WORDEN, Euclid P. (1899; 1902), M. E., Submarine Boat Corp'n., Rm. 1919, 30 Church St., New York, N. Y.
- WORK, Clayton W. (Junior, 1917), Turbine Dept., Westinghouse E. and M. Co., E. Pittsburgh, and *for mail*, 814 Holland Ave., Wilkinsburg, Pa.
- WORK, David W. (Associate-Member, 1916), Draftsman, Braden Copper Co., Rancagua, Chile, and Lamar, Mo.
- WORKER, Joseph G. (1914), Mgr. Stoker Div., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and *for mail*, 5722 Baum Blvd., Pittsburgh, Pa.
- WORTH, B. G. (1917), V. P., Walter Kidde & Co., Inc., 140 Cedar St., New York, N. Y., and *for mail* 422 Gregory Ave., West Orange, N. J.
- WORTH, Charles C. (1908), Asst. Supt. Constr., The N. Y. Edison Co., Irving Pl., and 15th St., New York, and 352 Crown St., Brooklyn, N. Y.
- *WORTH, Paul (Junior, 1918), M.E., Aviation Section, Camp Dix, Dallas, Texas.
- *WORTHEN, Charles B. (Associate-Member, 1917), 2nd Lieut., Avia. Sec., Sig. R. C., Military Aeronautics Div., U. S. A., War Dept., and *for mail*, 33 Evergreen Ave., Bloomfield, N. J.
- WORTHINGTON, Charles C. (1882), Shawnee-on-Delaware, Monroe County, Pa.
- *WORTHINGTON, Edward H. (Associate-Member, 1914), 1st Lieut., U. S. A., The Army Intelligence Sch., U. S. A. P. O. No. 714, A. E. F., France; Shawnee Mower Co., Shawnee-on-Delaware, Pa.
- WOTHERSPOON, William L. (1914), Cons. M., Internatl. Nickel Co., 43 Exchange Pl., New York, and Bretton Rd., Scarsdale, N. Y.
- WRAITH, William (1903) Rm. 1927, 42 Broadway, New York, N. Y.
- WRAY, Alfred B. (Associate-Member, 1915), Asst. Sales Mgr., Morse Chain Co., and *for mail*, 111 Orchard Pl., Ithaca, N. Y.
- *WRIGHT, A. Miles (Junior, 1917), E. O. T. Sch., Camp Humphreys, Va., and *for mail*, 946 Forest Ave., Evanston, Ill.
- WRIGHT, Arthur C. (1916), Cons. Engr., New England Westinghouse Co., and *for mail*, 52 Mapledell St., Springfield, Mass.
- WRIGHT, Donald C. (Associate, 1917), Production Mgr., Dodge Mfg. Co., and 825 Lincolnway, East Mishawaka, Ind.
- *WRIGHT, Douglas B. (Junior, 1916), Lieut., Engrs. R. C., Headquarters 1st Div., Am. Exped. Forces, and 1075 Peachtree St. Atlanta, Ga.
- WRIGHT, Ernest N. (1890), 691 La Loma Rd., Pasadena, Cal.
- WRIGHT, Orville (Honorary, 1918), The Pioneer Aviator, Dayton, Ohio.
- WRIGHT, Paul (1915, 1915), Asst. Ch. Engr., Tennessee Coal Iron & R. R. Co., 1005 Woodward Bldg., Birmingham, Ala.
- *WRIGHT, Paul D. (Junior, 1917), 1st Lieut., Ord. Dept., U. S. A., Inspc. Div., Ord. Dept., 6th & B Sts., N. W., Washington, D. C., and *for mail*, Lanphier's Cove, Branford, Conn.
- WRIGHT, Ross P. (1911), Secy., Treas., Reed Mfg. Co., and *for mail*, 235 W. 6th St., Erie, Pa.
- WRIGHT, Royden V. (1907), Editorial Dept., Simmons-Boardman Publishing Co., 233 Broadway New York, N. Y., and *for mail*, 398 N. Walnut St., East Orange, N. J.
- *WRIGHT, Stanley (Junior, 1913), 1st Lieut., Engrs., U. S. A., 314th Engrs., A. E. F., and *for mail*, Care of Edward Wright, 150 Nassau St., New York, N. Y.
- WRIGHT, William H. (1917), Engr. of Operation, Wilputte Coke Oven Corp'n., 469 Fifth Ave., New York, N. Y., and 2734 N. Pennsylvania St., Indianapolis, Ind.

- WRIGHT, Wm. Q. (1908), Cons. Engr., 731 Merchants Exch. Bldg., San Francisco, and Sausalito, Cal.
- *WUERTH, Edward A. (Junior, 1918), Pvt., F. A., Replacement Dept., 10th Reg., Battery B, Camp Jackson, S. C.; Draftsman, The Proctor & Gamble Co., Ivorydale, and *for mail*, 50 W. Rochelle St., Cincinnati, O.
- WUEST, Frank W. (Junior, 1918), Asst. in Planning & Time Study Dept., The Lodge Shipley Mach. Tool Co. and *for mail*, 3430 Cornell Pl., Cincinnati, Ohio.
- WUESTNER, Clarence J. (Junior, 1916), M. M., Du Pont Engrg. Co., P. O. Box 1358, Richmond, Va., and 526 S. 12th St., Highlandtown, Md.
- WUNSCH, Joseph W. (Junior, 1917), Supt., Wunsch & Washburn, 207 Centre St., New York and 909 52nd St., Brooklyn, N. Y.
- WURDACK, Hugo (1914), Pres., The Light & Development Co. of St. Louis, 750 Ry. Exch. Bldg., and 1221 Euclid Ave., St. Louis, Mo.
- WURTS, Edward V. (Associate, 1897), Ch. Engr., Steel Utilities, Inc., 425 Kinney Bldg., Newark, and 19 Prospect Terrace, East Orange, N. J.
- WYANT, Robert E. (1916), Engr., New Haven Gas Light Co., 80 Crown St., and 192 Livingston St., New Haven, Conn.
- WYATT, Edgar W. (1910), Cons. Engr., Pittsburgh Testing Lab., 50 Church St., New York, N. Y.
- WYER, Samuel S. (1904; 1911), Cons. Engr., 1014 Hartman Bldg., and 360 W. 9th Ave., Columbus, O.
- WYGODSKY, Leon (1918), V.-P. & Genl. Mgr., Baltimore Oil Eng. Co., 31st St. and Eastern Ave., Baltimore, Md.
- WYLIE, Howard M. (Junior, 1912), Mgr. N. Y. Office, Nash Engrg. Co., 21 E. 40th St., and 50 Morningside Drive, New York, N. Y.
- WYMAN, Dwight M. (1915; Associate-Member, 1918), M.E., Abertham Constr. Co., 27 School St., Boston, and 37 Clark St., Newton Center, Mass.
- WYMAN, Laurence W. (Associate-Member, 1916), Engr., California Corrugated Culvert Co., 5th and Parker Sts., Berkeley, and 1035 66th Ave., Oakland, Cal.
- WYNKOOP, Hubert S. (1908), E. E., Dept. Water Supply, Gas & Elec., 2329 Municipal Bldg., New York, and *for mail*, 1574 50th St., Brooklyn, N. Y.
- WYNNE, John H. (1914), V. P., Genl. Equip. Co., 30 Church St., New York, N. Y., and Arch Rd., Englewood, N. J.
- WYNNE, Thomas A. (1915), V. P., Treas., Indianapolis Light & Heat Co., 48 Monument Pl., and 2110 W. 41st St., Indianapolis, Ind.
- YAEGER, Harry C. (Associate-Member, 1918), Pres., The Production Tool & Engrg. Co., 517 Jackson Blvd., and 6207 Drexel Ave., Chicago, Ill.
- *YAGER, John E. (Junior, 1916), Pvt., 4th Co., Sec. B., S. A. T. C., Univ. of Mich., Ann Arbor, Mich., and 805, Milwaukee, Wis.
- YANNEY, George W. (1918), Asst. Ch. Engr., Alliance Mch. Co., and *for mail*, 407 E. South St., Alliance, O.
- *YARDLEY, Ralph W. E. (Associate-Member, 1915), Capt., Ord. R. C., The Hamilton, 14th & K Sts., Washington, D. C.
- YARNALL, D. Robert (1903; 1911), Member of Firm, Yarnall-Waring Co., Mermaid Lane, Chestnut Hill, Philadelphia, Pa.
- YARROW, Sir Alfred F. (Honorary, 1914), Governing Dir., Yarrow & Co., Ltd., Scotstoun, Glasgow, Scotland, and *for mail*, Homestead, Hindhead, Surrey, England.
- YARROW, Norman A. (Associate-Member, 1918), Genl. Mgr., Yarrows, Ltd., P. O. Box 1595, Victoria, B. C.
- YARYAN, Homer T. (1892), V. P., The Yaryan Naval Stores Co., 1805 Collingwood Ave., Toledo, O.

- YATES, Preston K. (1914), Cons. Engr., 120 Broadway, New York, N. Y.
- YATES, Richard L. (1907; Associate-Member, 1916), The Skinner Eng Co., and *for mail*, 1350 W. 9th St., Erie Pa.
- *YATES, Sheldon S. (1912; Associate-Member, 1915), Field Art., O. T. C., Camp Taylor, Louisville, Ky., and *for mail*, Dana Pl., Englewood, N. J.
- *YCASIANO, Francisco R. (Associate-Member, 1916), Capt., F. B. S. C. National Guard, P. I.
- YEAGER, Andrew J. (Associate-Member, 1915), Junior Partner, J. F. Witmer Co., Dun Bldg., Buffalo, N. Y.
- YEWDALL, Francis M. (Associate-Member, 1915), M. E., Wm. Steele & Sons Co., 1600 Arch St., and *for mail*, 5946 N. 13th St., Philadelphia, Pa.
- YINGLING, Frank B. (1917), Secy., Treas., The Ceramic Mchy. Co., Central Ave. and Kruger St.; Secy., Treas., The Columbia Mch. Tool Co., and *for mail*, 701 Main St., Hamilton, O.
- YINGLING, John C. (Associate-Member, 1918), 25 N. Fir St., Akron, Ohio.
- YODER, Jacob H. (1912; Associate-Member, 1918), Supvr. Apprentices, Pa. R. R. Co., and *for mail*, Box 383, Altoona, Pa.
- *YODER, Thomas M. (Associate, 1914), Capt., Ord. Dept., N. A., care of Intermediate Ord., Depot No. 1, L. of C., Am. Exped. Forces.
- *YORK, H. W. (1894), Lieut. Com., Naval Militia; Cons. Engr., Am. Smelting & Refining Co., 120 Broadway, New York, and 121 Bay 26th St., Bensonhurst, L. I., N. Y.
- YORK, John J. (1910), Genl. Wks. Mgr., St. Lawrence Sugar Refining Co., 730 Notre Dame St., and *for mail*, 775 Notre Dame St., Maisonneuve, Que., Canada.
- YORK, L. D. (1889), Pres., Portsmouth St. R. R. & Light Co., Portsmouth, O.
- YORK, Raymond D. (1917), V. P., Genl. Mgr., The Portsmouth St. Ry. & Light Co., 10th & Offnere Sts., and 1636 Highland Ave., Portsmouth, O.
- YORK, Robert (1901; 1908; 1911), V. P., Treas., York Lumber & Mfg. Co.; Robert York & Co., and 1215 Sledge Ave., Memphis Tenn.
- YORKSTON, John E. (1912), Engr.-in-Charge Drafting Dept., Genl. Elec. Co., and *for mail*, 41 Third Ave., Schenectady, N. Y.
- *YOUNG, Chas. D. (1902; 1910), Lieut. Col., Transportation Corps, U. S. A.; Engr. of Tests, Pa. R. R., Altoona, Pa.
- *YOUNG, Charles M., Jr. (Junior, 1916), Prvt., Ord. Dept., Gun Carriage Section, Enlisted Detachment, New York Dist., Albemarle Bldg., New York, N. Y.
- YOUNG, Emanuel J. (Junior, 1914), Genl. Foreman Elec. Repair Shop, Cambria Steel Co., and *for mail*, 433 Luzerne St., Johnstown, Pa.
- YOUNG, Gilbert A. (1906), Head of Dept. M. E., Purdue Univ., and *for mail*, 739 Owen St., Lafayette, Ind.
- YOUNG, John H., Jr. (Associate-Member, 1916), Lubrication Engr., The Texas Co., New York, N. Y., and *for mail*, 331 Locust St., Williamsport, Pa.
- YOUNG, John Mason (1902; 1910), Dean of Engrg., College of Hawaii, Cons. Engr., P. O. Box 636, and Alewa Heights, Honolulu, Hawaii.
- *YOUNG, John P. (1899; 1906), Capt., C. A. C., U. S. A., Ft. Hancock, N. J.; Pres., Reinforced Concrete Roof Co., Youngstown, O.
- YOUNG, John T. (1900; 1908), First V. P., Genl. Mgr., Grand Rapids Gas Light Co., and 255 Union Ave., S., Grand Rapids; V. P., Muskegon Traction & Ltg. Co., Muskegon, Mich.
- YOUNG, Joseph E. (Junior, 1916), M.E., E. I. du Pont de Nemours Co., Du Pont Bldg., Wilmington, Del., and *for mail*, 300 S. 10th St., Nashville, Tenn.

- YOUNG, Ross H. (Junior, 1918), Stone & Webster, 147 Milk St., Boston, Mass.
- YOUNG, William A. (1901; 1905; 1906), Ch. Engr., Pawling & Harnischfeger Co., 38th & National Aves., and *for mail*, 306 21st Ave., Milwaukee, Wis.
- YOUNG, William J. (Associate-Member, 1917), Engr., Hydraulic Turbine Corp'n., Camden, N. Y.
- YOUNG, William V. (Associate, 1917), V. P., The Am. Appraisal Co., Milwaukee, Wis., and 915 Buena Ave., and *for mail*, 38 S. Dearborn St., Chicago, Ill.
- YOUNGBLUTH, R. O. (1918; Associate-Member, 1918), Address Unknown.
- YOUNGER, John (1915), Chief Engrg. Div., Motor Transport Corps, Washington, D. C., and *for mail*, R. F. D. No. 3, Chevy Chase, Md.
- ZABRISKIE, W. Howard (Junior, 1916), Case & Carr Dept., Stand. Oil Co. of New York, Ft. 10th St., Long Island City, and *for mail*, Glen Cove, N. Y.
- *ZACH, Louis M. (Junior, 1912), Engr. Officers' Training Sch., Camp Humphreys, Va.
- ZACHARIAS, Ernest O. (Associate-Member, 1917), Process Engr., Remington Arms U. M. C. Co., and *for mail*, 32 Boston Terrace, Bridgeport, Conn.
- ZACHERT, Arthur R. (1910; 1915), Genl. Supt., Power Spec. Co., 111 Broadway, New York, N. Y., and *for mail*, 2 Seward, Sansville, N. Y.
- ZAMBONI, Lawrence (1918), Inspec. Branch, Govt. Serv., New England States; Cons. Engr., 50 Church St., New York, N. Y., and *for mail*, 64 N. 9th St., Newark, N. J.
- ZANKE, George J. (Associate-Member, 1915), Dist. Mgr., Am. Engrg. Co., 829 Marquette Bldg., and 4427 N. Lincoln St., Chicago, Ill.
- ZANTOW, Henry C. (1918), Asst. to John C. White, Wis. State Power Plant Engr., 624 E. Main St., and *for mail*, 114 S. Orchard St., Madison, Wis.
- ZAPP, Louis M. (Junior, 1906), Elec. Engr., A. L. Drum & Co., 76 W. Monroe St., Chicago, Ill., and *for mail*, Cynwyd, Pa.
- ZEH, Edmund W. (1915), M. E., Zeh & Hahnemann Co., Ave. A and Vanderpool St., and 93 Elizabeth Ave., Newark, N. J.
- ZEHNDER, Chas. H. (1890), Pres., Austen Coal & Coke Co., Rm. 1648, 120 B'way, New York, N. Y., and 223 Elberon Ave., Allenhurst, N. J.
- ZEIGER, Kenneth G. (Junior, 1914), Draftsman, United States Copper Co., Clarkdale, Ariz.
- *ZEIGER, Nelson A. (Junior, 1916), 1st Lieut., Ord. Dept., U. S. A., 1st Div., Mobile Ord. Repair Shop, A. P. O. No. 729, A. E. F., France, and *for mail*, 133 Bostwick Ave., Jersey City, N. J.
- ZELLER, James H. (Associate-Member, 1916), Production Supt., Foster Bros. Mfg. Co., and 4 Cornelia Pl., Utica, N. Y.
- ZELLER, Richard (Junior, 1914), Works Engr., The Egyptian Lacquer Mfg. Co., Passaic Ave., Newark, and The Fairmont, Hudson Blvd. & Fairmont Ave., Jersey City, N. J.
- ZIEGLER, Leslie I. (1914), Mgr. Milling Mchy. Dept., Nordyke & Marmon Co., and Columbia Club, Indianapolis, Ind.
- ZILEN, Victor W. (Associate, 1913), Asst. Engr., Lucey Mfg. Corp'n. of Tenn., and *for mail*, Route No. 1, Box 139, Chattanooga, Tenn.
- ZIMMERMAN, Alfred W. (1913), Pres., Cons. Engr., Zimmerman Engrg. & Supply Co., and 3504 Fairfield Ave., Fort Wayne, Ind.
- ZIMMERMAN, Frank R. (Associate-Member, 1918), Ch. Engr., Natnl. Iron Co., Duluth, Minn.
- ZIMMERMAN, Fred R. (Associate-Member, 1917), Cons. Engr., 1313 Early Ave., Chicago, Ill.

- ZIMMERMAN, James J. (Junior, 1918), Inspc. & Expeditor of Engrg. Equip., Mech. Engrg. Dept., Cambria Steel Co., and *for mail*, 313 South St., Johnstown, Pa.
- ZIMMERMANN, John E. (Junior, 1907), V. P., Day & Zimmermann, 611 Chestnut St., Philadelphia, and Rydal, Pa.
- ZIMMERMAN, Oliver B. (1905), Maj., Engr. Corps, Engr. Depot, 1438 U St., N. W., and 1302 Dogwood St., N. W., Washington, D. C.; Intl. Harvester Corp'n., Chicago, Ill.
- ZIMMERMANN, William F. (1884), V. P., Pittsburgh Testing Lab., 50 Church St., and 185 W. 79th St., New York, N. Y.
- *ZINK, Robert E. (Junior, 1916), Capt., Ord. Dept., U. S. A., care of Chief Ord. Officer, Field P. O. No. 717, A. E. F., France.
- ZOHE, Ludwig A. (1903; 1904), The Semet Solvay Co., and *for mail*, 207 E. Kennedy St., Syracuse, N. Y.
- ZOUCK, George H. (Junior, 1914), Engrg. Dept. Air Reduction Co., 120 Broadway, New York, N. Y., and *for mail*, 217 Lincoln Ave., Orange, N. J.
- ZOWSKI-ZWIERZCHOWSKI, S. J. (1910), Prof., M. E., Univ. of Mich., 327 New Engrg. Bldg., and 2006 Washtenaw Ave., Ann Arbor, Mich.
- ZUGELTER, George E. (Junior, 1916), Inst. Mech. Engrg., Univ. of Cincinnati and 459 Elliot Ave., Arlington Hgts., Cincinnati, O.
- ZWOYER, Ellsworth B. A. (1914), Briquetting Engr., Zwoyer Fuel Co., Rm. 2507, 60 Wall St., New York, N. Y., and *for mail*, 218 Market St., Perth Amboy, N. J.

GEOGRAPHICAL LIST

In the fall of 1918, when the 1919 Year Book was planned, the Publication Committee, desirous of cooperating with the Paper and Pulp Division of the War Industries Board in the conservation of paper, decided to omit the Geographical List from the Year Book, and to print this as a separate publication, limited edition.

Though the necessity for conservation subsequently passed, the Committee adhered to its original plan as being a good one to inaugurate, and the Geographical List is this year issued as a separate publication, convenient for pocket use. Members of the Society are entitled to a copy free upon request.

CALVIN W. RICE, *Secretary.*

SUMMARY OF MEMBERSHIP BY RESIDENCE

UNITED STATES

Alabama	73	Nebraska	17
Alaska	1	Nevada	4
Arizona	19	New Hampshire	27
Arkansas	8	New Jersey	576
California	269	New Mexico	12
Canal Zone	5	New York	2311
Colorado	43	North Carolina	26
Connecticut	498	North Dakota	2
Delaware	85	Ohio	603
District of Columbia	359	Oklahoma	40
Florida	32	Oregon	21
Georgia	58	Pennsylvania	1172
Hawaii	16	Philippine Islands	13
Idaho	4	Porto Rico	7
Illinois	618	Rhode Island	100
Indiana	151	South Carolina	16
Iowa	32	South Dakota	2
Kansas	39	Tennessee	51
Kentucky	39	Texas	83
Louisiana	49	Utah	16
Maine	27	Vermont	28
Maryland	164	Virginia	117
Massachusetts	799	Washington	53
Michigan	316	West Virginia	29
Minnesota	104	Wisconsin	170
Mississippi	11	Wyoming	5
Missouri	149		
Montana	6	Total	9475

FOREIGN COUNTRIES

Africa	11	Japan	16
Australia	12	Ladrone Island	1
Austria	2	Mexico	6
Belgium	1	Norway	1
British West Indies	1	Roumania	1
Canada	154	Russia	8
Central America	2	Scotland	4
China	12	Singapore Straits	1
Cuba	32	South America	37
Denmark	2	Spain	2
Java	1	Sweden	8
England	71	Switzerland	3
Finland	2	Turkey	1
France	278	Republic of Domingo	1
Germany	18	Jamaica	1
Holland	1	West Indies	1
India	9		
Italy	4	Total	707

Membership in United States	9475
Membership in Foreign Countries	707
Present address unknown	7

Total Membership 10189

MEMBERSHIP BY GRADES

Honorary Members	13
Members	5527
Associate-Members	1702
Associates	585
Juniors	2274
Life Members	84
Life Associates	3
Life Juniors	1
Total Membership	10189

• Calendar of General Meetings

PLACE	DATE	NO.	CLASS OF MEETING	MEMBERS PRESENT
NEW YORK, N. Y....	Feb. 16, 1880.....		<i>Preliminary .</i>	
HOBOKEN, N. J.....	April 7, 1880.....		<i>Organization</i>	
NEW YORK, N. Y....	Nov. 4 to 5, 1880...	1	<i>1st Annual..</i>	84
HARTFORD, CONN....	May 4 to 6, 1881....	2	<i>Regular</i>	36
ALTOONA, PA.....	Aug. 10 to 12, 1881..	3	<i>Regular</i>	37
NEW YORK, N. Y....	Nov. 3 to 4, 1881....	4	<i>2nd Annual..</i>	65
PHILADELPHIA, PA..	April 19 to 21, 1882..	5	<i>Regular</i>	96
NEW YORK, N. Y....	Nov. 1 to 3, 1882....	6	<i>3d Annual... </i>	58
CLEVELAND, O.....	June 12 to 14, 1883..	7	<i>Regular</i>	77
NEW YORK, N. Y....	Oct. 31 to Nov. 3, 1883	8	<i>4th Annual..</i>	131
PITTSBURGH, PA.....	May 20 to 23, 1884..	9	<i>Regular</i>	93
NEW YORK, N. Y....	Nov. 5 to 7, 1884....	10	<i>5th Annual..</i>	129
ATLANTIC CITY, N. J.	May 26 to 29, 1885..	11	<i>Regular</i>	71
BOSTON, MASS.....	Nov. 10 to 13, 1885..	12	<i>6th Annual .</i>	130
CHICAGO, ILL.....	May 25 to 28, 1886..	13	<i>Regular</i>	121
NEW YORK, N. Y....	Nov. 30 to Dec. 3, 1886	14	<i>7th Annual .</i>	192
WASHINGTON, D. C..	May 31 to June 3, 1887	15	<i>Regular</i>	117
PHILADELPHIA, PA..	Nov. 28 to Dec. 1, 1887	16	<i>8th Annual .</i>	216
NASHVILLE, TENN...	May 8 to 12, 1888...	17	<i>Regular</i>	58
SCRANTON, PA.....	Oct. 15 to 18, 1888..	18	<i>9th Annual .</i>	124
ERIE, PA.....	May 14 to 17, 1889..	19	<i>Regular</i>	83
NEW YORK, N. Y....	Nov. 18 to 22, 1889..	20	<i>10th Annual.</i>	249
CINCINNATI, O.....	May 13 to 16, 1890..	21	<i>Regular</i>	164
RICHMOND, VA.....	Nov. 11 to 14, 1890..	22	<i>11th Annual.</i>	126
PROVIDENCE, R. I...	June 16 to 19, 1891..	23	<i>Regular</i>	279
NEW YORK, N. Y....	Nov. 16 to 19, 1891..	24	<i>12th Annual.</i>	298
SAN FRANCISCO, CAL.	May 16 to 19, 1892..	25	<i>Regular</i>	54
NEW YORK, N. Y....	Nov. 29 to Dec. 2, 1892	26	<i>13th Annual.</i>	294
CHICAGO, ILL.....	July 31 to Aug. 5, 1893	27	<i>Regular</i>	283
NEW YORK, N. Y....	Dec. 4 to 8, 1893....	28	<i>14th Annual.</i>	268
MONTREAL, CANADA..	June 5 to 8, 1894....	29	<i>Regular</i>	133
NEW YORK, N. Y....	Dec. 3 to 7, 1894....	30	<i>15th Annual.</i>	383
DETROIT, MICH.....	June 25 to 28, 1895..	31	<i>Regular</i>	132
NEW YORK, N. Y....	Dec. 2 to 6, 1895....	32	<i>16th Annual.</i>	346
ST. LOUIS, MO.....	May 19 to 22, 1896..	33	<i>Regular</i>	92
NEW YORK, N. Y....	Dec. 1 to 4, 1896....	34	<i>17th Annual.</i>	391
HARTFORD, CONN....	May 25 to 28, 1897..	35	<i>Regular</i>	205
NEW YORK, N. Y....	Nov. 30 to Dec. 3, 1897	36	<i>18th Annual.</i>	378
NIAGARA FALLS, N.Y.	May 31 to June 3, 1898	37	<i>Regular</i>	137
NEW YORK, N. Y....	Nov. 29 to Dec. 2, 1898	38	<i>19th Annual.</i>	351
WASHINGTON, D. C..	May 9 to 12, 1899...	39	<i>Regular</i>	274
NEW YORK, N. Y....	Dec. 5 to 8, 1899...	40	<i>20th Annual.</i>	469
CINCINNATI, O.....	May 15 to 18, 1900	41	<i>Regular</i>	144
NEW YORK, N. Y....	Dec. 4 to 7, 1900....	42	<i>21st Annual.</i>	467
MILWAUKEE, WIS....	May 28 to 31, 1901..	43	<i>Regular</i>	156

PLACE	DATE	NO	CLASS OF MEETING	MEMBERS PRESENT
NEW YORK, N. Y....	Dec. 3 to 6, 1901....	44	<i>22d Annual.</i>	519
BOSTON, MASS.....	May 27 to 30, 1902..	45	<i>Regular</i>	375
NEW YORK, N. Y....	Dec. 2 to 5, 1902....	46	<i>23d Annual.</i>	474
SARATOGA, N. Y.....	June 23 to 26, 1903..	47	<i>Regular</i>	315
NEW YORK, N. Y....	Dec. 1 to 4, 1903....	48	<i>24th Annual.</i>	538
CHICAGO, ILL.....	May 31 to June 4, 1904	49	<i>Regular</i>	350
NEW YORK, N. Y....	Dec. 6 to 9, 1904....	50	<i>25th Annual.</i>	542
SCRANTON, PA.....	June 6 to 9, 1905....	51	<i>Regular</i>	121
NEW YORK, N. Y....	Dec. 5 to 8, 1905....	52	<i>26th Annual.</i>	700
CHATTANOOGA, TENN.	May 1 to 4, 1906....	53	<i>Regular</i>	212
NEW YORK, N. Y....	Dec. 4 to 7, 1906....	54	<i>27th Annual.</i>	735
INDIANAPOLIS, IND..	May 28 to 31, 1907..	55	<i>Regular</i>	296
NEW YORK, N. Y....	Dec. 3 to 6, 1907....	56	<i>28th Annual.</i>	699
DETROIT, MICH.....	June 23 to 26, 1908..	57	<i>Regular</i>	269
NEW YORK, N. Y....	Dec. 1 to 4, 1908....	58	<i>29th Annual.</i>	738
WASHINGTON, D. C..	May 4 to 7, 1909....	59	<i>Regular</i>	276
NEW YORK, N. Y....	Dec. 7 to 10, 1909...	60	<i>30th Annual.</i>	628
ATLANTIC CITY, N. J.	May 31 to June 3, 1910	61	<i>Regular</i>	135
NEW YORK, N. Y....	Dec. 6 to 9, 1910....	62	<i>31st Annual.</i>	633
PITTSBURGH, PA....	May 30 to June 2, 1911	63	<i>Regular</i>	305
NEW YORK, N. Y....	Dec. 5 to 8, 1911....	64	<i>32d Annual.</i>	687
CLEVELAND, O.....	May 28 to 31, 1912..	65	<i>Regular</i>	221
NEW YORK, N. Y....	Dec. 3 to 6, 1912....	66	<i>33d Annual.</i>	562
BALTIMORE, MD.....	May 20 to 23, 1913..	67	<i>Regular</i>	142
NEW YORK, N. Y....	Dec. 2 to 5, 1913....	68	<i>34th Annual.</i>	778
ST. PAUL-MINNEAPLS	June 16 to 19, 1914..	69	<i>Regular</i>	200
NEW YORK, N. Y....	Dec. 1 to 4, 1914....	70	<i>35th Annual.</i>	821
BUFFALO, N. Y.....	June 22 to 25, 1915..	71	<i>Regular</i>	223
SAN FRANCISCO, CAL.	Sept., 1915 .....	..	<i>Special</i>	..
NEW YORK, N. Y....	Dec. 7 to 10, 1915....	72	<i>36th Annual.</i>	813
NEW ORLEANS, LA...	April 11 to 14, 1916..	73	<i>Regular</i>	114
NEW YORK, N. Y....	Dec. 5 to 8, 1916....	74	<i>37th Annual.</i>	953
CINCINNATI, O.....	May 21 to 24, 1917...	75	<i>Regular</i>	410
NEW YORK, N. Y....	Dec. 4 to 7, 1917....	76	<i>38th Annual.</i>	1115
WORCESTER, MASS...	June 4 to 7, 1918....	77	<i>Regular</i>	472
NEW YORK, N. Y....	Dec. 3 to 6, 1918....	78	<i>39th Annual.</i>	1040

DEPOSITORIES FOR TRANSACTIONS

Agricultural and Mechanical College, College Station, Tex.
 Allegheny Carnegie Free Library, Pittsburgh, Pa.
 Altoona Mechanics Library, Altoona, Pa.
 Armour Institute of Technology, Chicago, Ill.
 Birmingham Library, Birmingham, Ala.
 Boston Public Library, Boston, Mass.
 Brooklyn Public Library, Brooklyn, N. Y.
 Brown & Sharpe Mfg. Co., Providence, R. I.
 Brown University Library, Providence, R. I.
 Cambria Library Association, Johnstown, Pa.
 Carnegie Free Library, Allegheny, Pa.
 Case School of Applied Science, Cleveland, O.
 Catholic University of America, Washington, D. C.
 Cincinnati Public Library, Cincinnati, O.
 Cleveland Public Library, Cleveland, O.
 College of Hawaii, Honolulu, Hawaii.
 Colorado School of Mines, Golden, Colo.
 Commonwealth Edison Co., Chicago, Ill.
 Cooper Union, New York, N. Y.
 Cornell University, Ithaca, N. Y.
 Dallas Public Library, Dallas, Tex.
 Detroit Public Library, Detroit, Mich.
 Free Library of Philadelphia, Philadelphia, Pa.
 Free Public Library, New Haven, Conn.
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 Grosvenor Library, Buffalo, N. Y.
 Hartford Public Library, Hartford, Conn.
 Harvard University, Cambridge, Mass.
 Haverford College Library, Haverford, Pa.
 Illinois University, Urbana, Ill.
 Iowa State College, Ames, Ia.
 Iowa State Library, Des Moines, Ia.
 John Crerar Library, Chicago, Ill.
 Johns Hopkins University, Baltimore, Md.
 Kansas City Public Library, Kansas City, Mo.
 Kansas State Agricultural College, Manhattan, Kan.
 Kingston School of Mining, Kingston, Canada.
 Lehigh University, Bethlehem, Pa.
 Leland Stanford Jr. University, Palo Alto, Cal.
 Lewis Institute, Chicago, Ill.
 Library Association of Portland, Portland, Ore.
 Library of Congress, Washington, D. C.
 Library of Hawaii, Honolulu, Hawaii.
 Lowell City Library, Lowell, Mass.
 Lowell Textile School, Lowell, Mass.
 McGill University, Montreal, Canada.
 Massachusetts Institute of Technology, Boston, Mass.
 Master Car Builders Association, Chicago, Ill.

Mechanics-Mercantile Library, San Francisco, Cal.
Michigan Agricultural College, Lansing, Mich.
Michigan School of Mines, Houghton, Mich.
Minneapolis Atheneum, Minneapolis, Minn.
Mitchell Library, Glasgow, Scotland.
Municipal School of Technology, Manchester, England.
Municipal University of Akron, Akron, O.
Nebraska University, Lincoln, Neb.
New Hampshire College of Agriculture and Mechanic Arts, Durham, N. H.
New Hampshire State Library, Concord, N. H.
New Mexico College of Agricultural and Mechanical Arts, Mesilla Park,
New Mex.
New York Public Library, New York, N. Y.
New York State Library, Albany, N. Y.
Newark Free Public Library, Newark, N. J.
Newark Technical School, Newark, N. J.
North Dakota University, Grand Forks, N. D.
Northwestern University, Evanston, Ill.
Ohio State University, Columbus, O.
Omaha Public Library and Museum, Omaha, Neb.
Oregon Agricultural College, Corvallis, Ore.
Oregon University, Eugene, Oregon.
Pei Yang University, Tientsin, China.
Pennsylvania State College, State College, Pa.
Pennsylvania University Library, Philadelphia, Pa.
Phe'ps Dodge Corporation, New York City.
Philadelphia Free Library, Philadelphia, Pa.
Pittsburgh Carnegie Library, Pittsburgh, Pa.
Plainfield Public Library, Plainfield, N. J.
Polytechnic Institute of Brooklyn, Brooklyn, N. Y.
Portland Library Association, Portland, Oregon.
Pratt Institute Free Library, Brooklyn, N. Y.
Princeton University, Princeton, N. J.
Public Library, Adelaide, S. Australia.
Public Library of Cincinnati, Cincinnati, O.
Public Library, Fort Wayne, Ind.
Public Library, Los Angeles, Cal.
Public Library, Schenectady, N. Y.
Public Library, Washington, D. C.
Purdue University, Lafayette, Ind.
Rice Institute, Houston, Tex.
Rochester Engineering Society, Rochester, N. Y.
Rose Polytechnic Institute, Terre Haute, Ind.
Rutgers College, New Brunswick, N. J.
St. Louis Mercantile Library Association, St. Louis, Mo.
St. Louis Public Library, St. Louis, Mo.
San Francisco Public Library, San Francisco, Cal.
Seymour Library, Auburn, N. Y.
Sheffield Scientific School, New Haven, Conn.
Smithsonian Institution, U. S. National Museum, Washington, D. C.
State College of Washington, Pullman, Wash.
State University of Iowa, Iowa City, Ia.
State University of Kentucky, Lexington, Ky.
State University of North Dakota, University, N. D.
Steel Works Club, Joliet, Ill.
Stevens Institute of Technology, Hoboken, N. J.
Syracuse Public Library, Syracuse, N. Y.

Toledo Public Library, Toledo, O.
Tulane University, New Orleans, La.
United States Bureau of Standards, Department of Commerce, Washington, D. C.
United States Geological Survey, Washington, D. C.
University Library, Edinburgh, Scotland.
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University of Cincinnati, Cincinnati, O.
University of Idaho, Moscow, Idaho.
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University of Leeds, Leeds, England.
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University of Michigan, Ann Arbor, Mich.
University of Minnesota, Minneapolis, Minn.
University of Missouri, Columbia, Mo.
University of Missouri, Rolla, Mo.
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University of Pennsylvania, Philadelphia, Pa.
University of Tennessee, Knoxville, Tenn.
University of Vermont, Burlington, Vt.
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Utah University, Salt Lake City, Utah.
University of Wyoming, Laramie, Wyo.
Vanderbilt University, Nashville, Tenn.
Vermont University Library, Burlington, Vt.
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Washington State College, Pullman, Wash.
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West Virginia University, Morgantown, W. Va.
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19

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29 West 39th Street, New York City

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29 West Thirty-ninth Street,

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To the Secretary:

The undersigned recommends the following gentlemen for membership in the Society. It is suggested that you send them general information concerning the Society as well as application blanks for membership.

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Yours truly,

(Signed).....

.....*Mem. Am. Soc. M. E.*

DATE.....

